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# SEED CATALOGUE

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1932



OFFICES AND WAREHOUSE  
EAST FIRST AND ALDER STS.

ESTABLISHED  
1893

PORLAND,

OREGON.



P O R T L A N D S E E D C O M P A N Y  
321 EAST ALDER STREET  
P O R T L A N D , O R E G O N

Dear Customer:

In presenting you with this our 39th Annual Seed Catalog, we do so with a promise that when you select Diamond Quality Seeds for your spring planting you will get seeds that will grow and produce beautiful flowers or a bountiful crop of tender, crisp vegetables.

Seeds are the smallest cost of raising a garden and yet the most important, for it takes fresh, pure seeds to produce good crops. Diamond Quality Seeds are selected from proven parent stocks that will grow and give you rich returns for your labor. However, please understand that cultivation, soil and weather conditions are something over which we have no control, therefore we cannot insure positive results and will not be liable for more than the amount paid for the seed should unfavorable conditions cause a failure.

Now for an agreeable surprise that will save you money.

POSTPAID DIAMOND QUALITY SEEDS WILL BE SOLD FROM THIS CATALOG AT A 10% DISCOUNT IF YOU WILL SELECT SEEDS TO THE VALUE OF \$2.00 OR MORE IN ONE ORDER. THIS 10% SAVING WILL MAKE IT WELL WORTH YOUR WHILE TO BUY ALL YOUR DIAMOND QUALITY SEEDS FROM US AT ONE TIME RATHER THAN HAVE SEVERAL SMALL ORDERS COMING THROUGH THE PLANTING SEASON.

Your order will be shipped promptly postpaid to your door so that our Catalog and mail order service will have many advantages where you are located far from a Diamond Quality Seed Dealer.

You have favored us with your business in the past and we hope that our seeds and our service have proven satisfactory. If we are to be favored with your order this year let us urge that you send it early. The first early vegetables always seem the best.

We thank you.

P O R T L A N D S E E D C O . ,

F. L. Trullinger, President.

P O R T L A N D S E E D C O .' S G U A R A N T E E

*Diamond Quality Seeds, Bulbs and Plants* are guaranteed as to vitality and purity. Having no control over cultivation, soil or weather conditions, we cannot insure results and will not be liable for more than the amount paid us for the seed, bulbs, plants or nursery stock.

**D I A M O N D Q U A L I T Y S E E D S A R E T E S T E D F O R P U R I T Y A N D G E R M I N A T I O N**

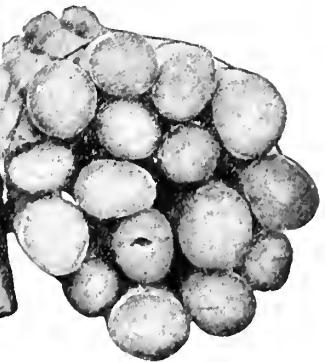
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## ASPARAGUS

### CULTURE

Plant roots in well drained soil about 2 feet apart in the row and about 5 to 6 feet between rows. The seed germinates very slowly and should be planted early in a well prepared seed bed.

Asparagus can be produced very easily and cheaply and is a profitable market crop. A bed 15x50 feet, requiring about 100 plants, should give an abundant supply for the average family.



GIANT WASHINGTON ASPARAGUS

**GIANT WASHINGTON.** The genuine rust resistant strain. Stalks long, rich dark green, thick and heavy, of excellent tender quality.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.25 postpaid.  
Plants, 1 year old, postpaid, doz. 30c; 50, 60c; 100, \$1.00;  
1000, \$6.00.

Plants, 2 years old, postpaid, doz. 40c; 50, 90c; 100, \$1.50;

1000, \$8.00. (Plants are ready October to April.)

**MARY WASHINGTON.** A special selection of Giant Washington. Somewhat earlier and larger but equally resistant to rust.

Pkt. 10c; 1 oz. 15c;  $\frac{1}{4}$  lb. 45c; 1 lb. \$1.35 postpaid.

## ARTICHOKE SEED and PLANTS

**GREEN GLOBE.** Medium height plants. Edible bud scales are broad, thick, deep green. Transplant 2 foot rows 4 feet apart.

Pkt. 10c; oz. 75c postpaid.

Plants, \$1.00 per doz. postpaid.

**JERUSALEM WHITE ARTICHOKEs.** A fine table variety. Tubers planted and cultivated same as potatoes. An excellent winter hog feed which they harvest themselves. An acre will keep 20 to 30 hogs. Also a valuable cow feed.

10 lbs. for \$1.00 postpaid. Write for quantity prices.

## CLIMBING or POLE BEANS

### CULTURE

Plant about May 1st or as soon as the ground becomes warm. Cover from 1½ to 3 inches deep according to weather conditions.

All varieties of Beans on this page (except as noted), pkt. 10c;  $\frac{1}{2}$  lb. 20c; 1 lb. 30c; 10 lbs. \$2.75 postpaid.

**P. S. CO. OREGON GIANT GREENPOD.** Large, fleshy pods 10 to 12 inches long, stringless, light greenish yellow splashed with red. Yields heavy. Excellent for home garden and canning.

Pkt. 10c;  $\frac{1}{2}$  lb. 20c; 1 lb. 35c; 10 lbs. \$3.25 postpaid.

**SCARLET RUNNER.** A favorite either for shell or flowering. Flowers are bright scarlet. Pods well filled with broad, kidney-shaped beans.

**OREGON POLE LIMA.** Proven over many years to be well adapted to our cool Northwest climate. A strong, vigorous grower, bearing continuously until frost. Pods are at their best when turning yellow.

**KENTUCKY WONDER.** The most popular of all early greenpod pole beans. An early, prolific, vigorous climber. Fleshy, fine grained, almost stringless pods, grow in clusters almost 10 inches long. Either snap or green shelled.

**LAZY WIFE.** One of the best later green podded pole beans for snaps or green shell use. Pods 4 to 5 inches in length. Dark green, thick, fleshy and stringless. Borne in large clusters. When young they have a rich buttery flavor. The dried beans are pure white and oval shaped. Excellent for winter use.

**KENTUCKY WONDER WAX.** Very early. Starts bearing when scarcely higher than a bush bean and continues until frosts. Pods are long, crumpled, creamy yellow, very fleshy, practically stringless. Rich in flavor.

**NEW GUINEA BUTTER BEAN.** Can be used as arbor covering and table covering as well. Fruits grow to be several feet in length. Use while young for the table. Pkt. 10c; oz. 30c postpaid.

## BUSH or DWARF BEANS

### Yellow Podded Varieties

**P. S. CO.'S STRINGLESS WAX.** The best early dwarf wax podded variety. Pods golden yellow, entirely stringless. Growth, size and shape same as Stringless Greenpod.

Pkt. 10c;  $\frac{1}{2}$  lb. 20c; 1 lb. 35c; 10 lbs. \$3.00 postpaid.

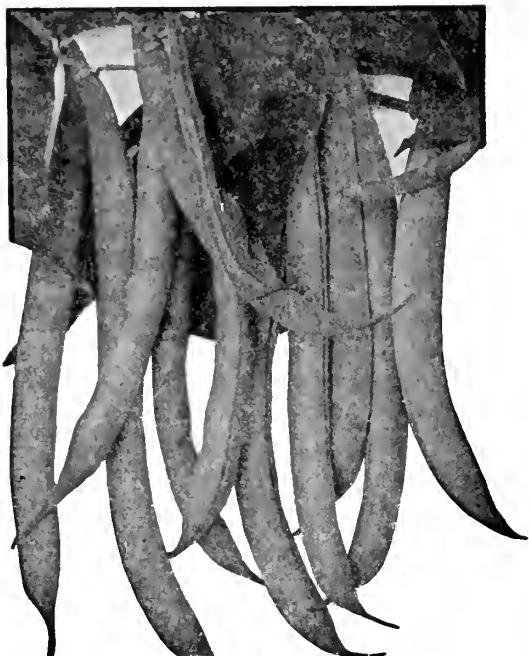
**PENCIL POD BLACK WAX.** One of the best black seed, round pod varieties. Pods 6½ to 7 inches, straight, fleshy, light golden, brittle, tender, stringless. Very popular for home and market gardens.

**GOLDEN WAX.** One of the old standby varieties, vigorous and highly productive. Reaches table condition in 50 days. Pods deep golden, about 5 inches. Broad, oval, stringless, tender and of fine quality. Cooks quickly as a snap bean. Shells well when green.



P. S. CO.'S OREGON GIANT GREENPOD

DIAMOND QUALITY SEEDS COME TO YOU WITH A PROMISE OF BOUNTIFUL CROPS



STRINGLESS GREEN POD

## YELLOW PODDED VARIETIES

All varieties of beans on this page, pkt. 10c;  $\frac{1}{2}$  lb. 20c; 1 lb. 30c; 10 lbs. \$2.75 postpaid.

**DAVIS WAX.** Hardy and productive. Pods long, rust resistant and very tender. The dry, white, kidney-shaped beans are fine for baking.

## Green Podded Varieties

**BROAD WINDSOR.** A very hardy variety. Can be planted much earlier than other bush varieties. Pods large, broad and flat. One of the best early green shelled beans.

**STRINGLESS GREENPOD.** Two weeks earlier than other green pod beans. Pods 5 or 6 inches long, round, fleshy, crisp and tender.

**DWARF HORTICULTURAL OR CRANBERRY BEAN.** One of the best dwarf green shelled beans. Pods are 5 or 6 inches long, broad, thick, curved, with splashes of bright red on yellowish ground. Beans large and easily shelled. Fine for succotash.

**STRINGLESS REFUGEE.** An improved late, heavy cropper. Pods round,  $5\frac{1}{2}$  inches long, light green, fleshy, fine grained, delicious and tender. A splendid variety for snap and canning.

**TREE BEAN.** Heavy yielder, ripens early, foliage scant. Seed white, rounded form. Most desirable bean for Northwestern growers.

## Garden Guide

**Amateur Gardener's Hand Book.** 380 pages of the best information available, with planting charts, profusely illustrated,  $5 \times 7\frac{1}{4}$  in., paper covers.

Price \$1.00 postpaid.

**THE GARDENER.** By L. H. Bailey. You get full advantage of Dr. Bailey's unequalled knowledge and experience in this book. It tells how to grow flowers, vegetables and fruits from the time of planting through to maturity. Special articles on different types of gardening. Information that is easy to find and simple to use. 116 illustrations; 200 pages.

Price \$2.10 postpaid.

**DEDUCT 10% FROM POSTPAID ORDERS OF DIAMOND QUALITY SEEDS AMOUNTING TO \$2.00 OR MORE**

## BEETS—Diamond Quality

Beets are hardy and may be planted soon as ground can be well prepared. Sow in rows 18 to 24 inches apart. Thin table beets 3 to 4 inches apart. Mangles 8 to 12 inches apart.

All varieties of Beets on this page (except as noted)  
Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c postpaid.

**PORLAND SEED CO.'S MARKET GARDENER.** Extra early and remarkable for its fine quality and rapid growth. Tops small; roots deep red, globe shaped; flesh dark red, fine grained and tender. Market gardeners prefer it because it matures evenly, stands a long time and does not split.

Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.00 postpaid.

**DETROIT DARK RED.** One of the very best for home gardens. Tops small, upright. Roots deep red, globe shaped, with small tap root. An excellent canning variety as well.

**EXTRA EARLY EGYPTIAN.** One of the best for forcing. Tops small. Roots dark red, rounded top, flat on bottom, with very small tap root. Flesh sweet and tender.

**IMPROVED BLOOD TURNIP BEET.** Tops large. Roots dark red and nearly round. Flesh deep red with lighter zoning, sweet, crisp and tender. Recommended for summer and fall use.

**EARLY ECLIPSE.** Uniform globe shape. Flesh fine grained, crimson, with pinkish white zones. Crisp and tender.

## SUGAR BEETS

**KLEIN WANZLEBEN.** Best variety for sugar. Is also used for stock. Good yielder.

**WHITE FRENCH OR VILMORIN'S IMPROVED SUGAR.** Most generally grown for stock, as it contains a heavy sugar yield.



P. S. CO.'S MARKET GARDENER BEET



YELLOW GIANT SLUDSTRUP GOLDEN TANKARD ECKENDORF

**YELLOW GIANT INTERMEDIATE OR GATE POST.** Roots large, growing more than half out of the ground. Flesh white, sweet and tender.

**DANISH SLUDSTRUP.** Roots long, reddish yellow, growing well above the ground.



### MUSHROOM SPAWN

PURE SPORE WHITE VARIETY  
FOR HOME USE OR  
MARKET

Our free pamphlet gives general  
instructions

**NEW AMERICAN SPORE CULTURES.** Produced from original spores by a new French process, the only method by which select varieties can be perpetuated and improved. Bricks weight about 20 ounces and will plant 10 square feet.

Brick 40c; 5 bricks \$1.75, postpaid.

### BRUSSELS SPROUTS

**DWARF IMPROVED.** A very hardy variety. Sprouts large, round and compact, of very good quality. One ounce sows 500 feet.

Pkt. 10c; oz. 30c; 1/4 lb. 90c postpaid.

Transplanted plants, doz. 20c; 100 \$1.25; 1000 \$10.00, postpaid. In season April, June.

Not transplanted plants, doz. 10c; 100 75c; 1000 \$6.00, f. o. b. Portland. In season, May, June.

### CHIVES

Chives belong to the onion family, and the tops are used green for flavoring and garnishing. They grow in little clumps and can be supplied as plants any time in the early spring.

Seed, pkt. 10c; 1/4 oz. 80c; oz. \$2.50 postpaid.  
Clumps, each 25c; doz. \$2.25 postpaid.

### CRESS

**TRUE WATER CRESS.** A distinct variety of cress with small, oval leaves. Grown easily in shallow ponds or along the edges of shallow streams of running water. Pkt. 10c; oz. 45c; 1/4 lb. \$1.50 postpaid.

**CURLED or PEPPER GRASS.** This salad is used with lettuce. The leaves are much frilled or curled. Sow thickly in drills.

Pkt. 10c; oz. 15c; 1/4 lb. 45c postpaid.

### MANGEL WURZEL

Mangels are grown exclusively for stock feeding, and afford large quantities of fresh, nutritious and wholesome food during the winter months, in connection with grain and dried forage. Sugar beets are richer and sweeter than mangels, but do not produce as heavily. Use 6 to 10 lbs. of seed per acre, depending on whether machine or hand planting, sowing liberally so that in thinning an even stand can be secured. Rows 18 to 30 inches apart. Level culture is best. If planted in dry weather, be sure seed is in from 1 to 1 1/2 inches, as it requires lots of moisture to burst the hard shell.

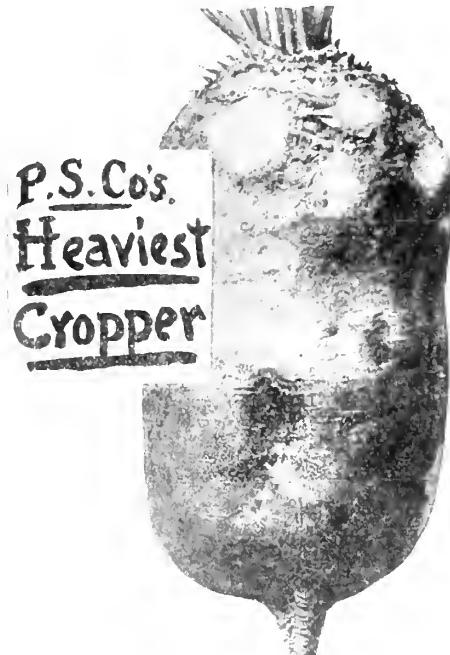
All varieties of Mangels on this page (except as noted): Pkt. 10c; oz. 15c; 1/4 lb. 20c; 1 lb. 50c; 10 lbs. \$4.75 postpaid.

**NEW HALF SUGAR MANGEL.** Double the yield of sugar beets. Roots large, smooth, cream white and few rootlets. Tops medium sized. A desirable stock food.

**GOLDEN TANKARD.** Especially recommended for dairy cows and sheep. Tops small. Roots large, oval, easily harvested. Flesh deep golden yellow.

**PORTLAND SEED CO.'S HEAVIEST CROPPER.** One of the largest yellow mangels, easily pulled, as it grows two-thirds above ground. Small tops permit of close planting. A heavy acreage yielder.

Pkt. 10c; 1/4 lb. 25c; 1 lb. 60c; 10 lbs. \$5.50 postpaid.



**CABBAGE AND CAULIFLOWER.** By L. C. Allen. A practical handbook on the growing and harvesting of cabbage, cauliflower and kindred vegetables, such as Broccoli, Brussels Sprouts, Collard's Kale and Kohl Rabi. Profusely illustrated. Cloth bound. 125 pages. Price \$1.10 postpaid.

## CABBAGE SEEDS and PLANTS



### CULTURE

Early varieties should be started in cold frames during January or February and transplanted to open ground as soon as weather and soil conditions permit. When winters are not severe they may be sown and transplanted the fall previous.

Late varieties may be sown from middle to late spring, transplanting when 4 to 6 inches high.

All varieties of Cabbage Seed on this page (except as noted) Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50 postpaid.

**DANISH BALLHEAD.** The solid, round heads are famous for their keeping qualities. Matures late. When cut shows a fine, hard, snowy white head.

**DANISH ROUNDHEAD.** Ball shaped head, few outer leaves, very hardy. Late keeper. Excellent for early spring market.

**GOLDEN ACRE.** An improved strain of Copenhagen Market, producing earlier with smaller but more compact heads. Is very hardy. Will stand in field a long time and a good shipper. Few outer leaves.

**EARLY JERSEY WAKEFIELD.** A favorite with market gardeners. A sure header. Very hardy. Heads large, solid, with few outside leaves.

**COPENHAGEN MARKET.** A splendid cabbage for the home garden. Heads early, globe shaped, slightly flattened, large, solid, with few outer leaves. Keeps well. A good shipper.

Transplanted plants, doz. 20c; 100 \$1.00; 1000 \$8.00, postpaid. April, May, June.

Not transplanted plants, doz. 10c; 100 75c; 1000 \$6.00, postpaid. May, June.

**ODENSE MARKET.** Red. A pickling cabbage.

**STEIN'S EARLY DWARF FLAT DUTCH.** Grows low on stems. Heads firm, fine grained, tender and excellent flavor.

**PREMIUM LATE FLAT DUTCH.** Heads large, flattened on top, closely wrapped and very solid. Keeps well in storage. Makes good sauerkraut.

**SAVOY.** Large, compact heads. Crisp, tender, with rich flavor. Makes a fine salad. ,

**CHINESE IMPROVED or PE TSAI.** Sometimes called celery cabbage. Leaves large, of light green color. Inside leaves or stalks and heart are pure white and tender. Very mild and pleasant flavor served as a salad or cooked. Sow after July 1st.

Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. 85c; 1 lb. \$3.00 postpaid.

## CARROTS

### CULTURE

May be sown as early as soil and weather conditions permit or as late as June. May planting will miss many of the spring weeds. Cover  $\frac{1}{2}$  to 1 inch deep according to weather conditions.

All varieties of Carrots on this page (except as noted)  
Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c postpaid.

**PORTLAND SEED CO.'S NEW CORELESS.** Larger than other varieties, crisp, solid, fine flavor. Grows smooth and uniform. A true stump-rooted type. Holds its color. Cooks quickly.

Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 30c; 1 lb. \$1.00 postpaid.

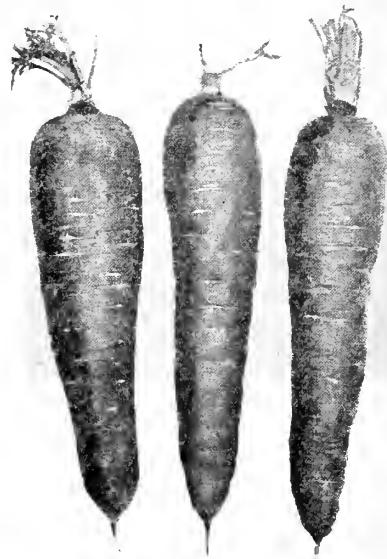
**DANVERS HALF LONG.** A fine quality carrot of uniform size and shape. Flesh deep orange, sweet, crisp and tender.

**'IMPROVED LONG ORANGE.** Does well on deep soils. Often grows 12 inches long, 3 inches at the crown, tapering to a point. The tender young roots are suitable for table use. Good for stock feeding when mature.

**CHANTENAY.** Half long, well adapted for home garden use. Roots smooth, deep orange, red, about  $5\frac{1}{2}$  inches. Crisp, tender and fine flavored for table use in early maturity. A heavy cropper when grown for stock.

**OXHEART.** Adapted to clay soils. A heavy yielder. Stubby roots, 5 or 6 inches long. Flesh bright orange, tender, fine grained. Table use when young. Stock when mature.

**EARLY SCARLET HORN.** For early outdoor planting. Roots top shape, 3 inches in length, orange red color.



DANVERS HALF LONG

## Stock Carrots

**PORTLAND SEED CO.'S YELLOW GIANT.** Adapted to wet, heavy soils. Roots half long, broad shoulder, growing half out of the ground. Color bright yellow. Producing a heavy crop; most excellent for dairy cows.

Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 30c; 1 lb. \$1.00 postpaid.

**LARGE WHITE BELGIAN.** One of the oldest and best known stock carrots. Roots 12 inches and longer, producing a heavy yield of good quality.

**MASTODON.** Improved short white. Roots smooth, very heavy at shoulder, tapering. A heavy producing field carrot.

## CAULIFLOWER and BROCCOLI SEEDS and PLANTS

### CULTURE

Early and late varieties require the same culture as early and late cabbage. As soon as heads are large enough to be exposed to the light, tie or bind the leaves carefully over the heads to keep the light away.

**PORTLAND SEED CO.'S MT. HOOD SNOWBALL.** A fine early variety, recommended for early or late planting, producing uniform medium-sized, pure white, fine quality heads.

Pkt. 10c;  $\frac{1}{4}$  oz. 75c; 1 oz. \$2.50;  $\frac{1}{4}$  lb. \$8.00 postpaid.

Plants, transplanted, doz. 25c; 100 \$1.50; 1000 \$12.00, f. o. b. Portland. Season April to June.

Plants, not transplanted, doz. 20c; 100 \$1.25; 1000 \$10.00, f. o. b. Portland. Season April to June.

**DANISH GIANT.** Dry weather, early, large, solid, white, that will successfully withstand a lot of dry weather.

Pkt. 10c;  $\frac{1}{4}$  oz. 60c; 1 oz. \$2.00;  $\frac{1}{4}$  lb. \$5.00 postpaid.

**EARLY SNOWBALL.** Adapted to forcing as well as outdoor planting. Plants compact, producing medium to large, rounded heads, pure white when blanched.

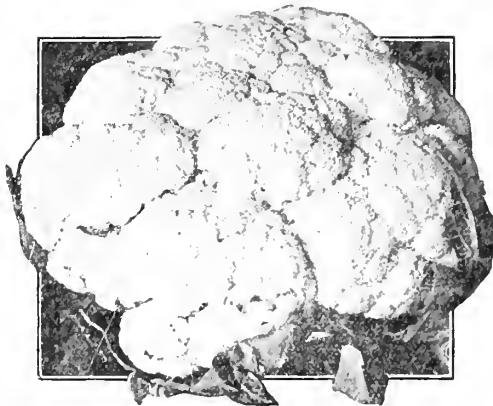
Pkt. 10c;  $\frac{1}{4}$  oz. 60c; 1 oz. \$2.00;  $\frac{1}{4}$  lb. \$5.00 postpaid.

**LARGE ALGIERS.** A valuable late sort, sure head. Plants large, upright, leaves protect head against frost. The very best of the late varieties.

Pkt. 10c;  $\frac{1}{4}$  oz. 50c; 1 oz. \$1.25;  $\frac{1}{4}$  lb. \$4.00 postpaid.

**AUTUMN GIANT.** A late variety, with long stems and dark green leaves. Heads white, large, compact.

Pkt. 10c;  $\frac{1}{2}$  oz. 60c; 1 oz. \$1.00;  $\frac{1}{4}$  lb. \$3.25 postpaid.



P. S. CO.'S MOUNT HOOD SNOWBALL

## BROCCOLI

**ITALIAN GREEN SPROUTING BROCCOLI.** Entirely different from heading sorts. Bears a succession of edible sprouting heads. If kept cut will be replaced by others. Sprouts about 5 inches long, terminate in small head of deep green buds. Culture same as for cabbage.

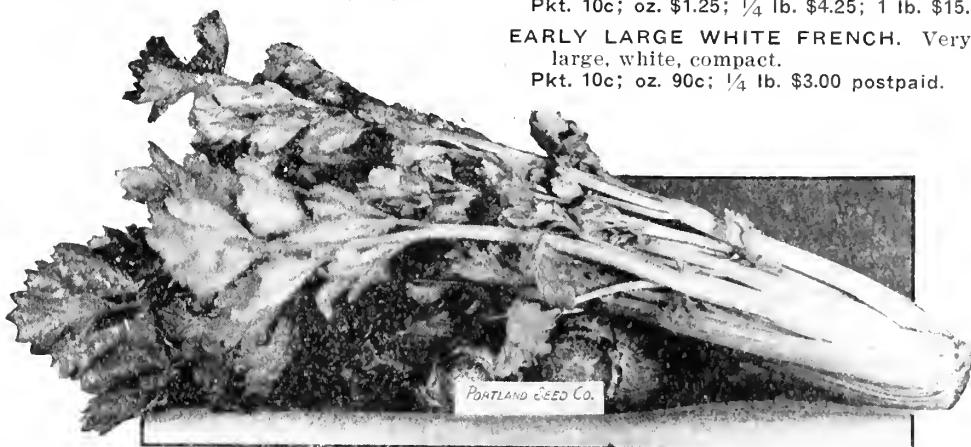
Pkt. 10c;  $\frac{1}{4}$  oz. 30c; 1 oz. \$1.00;  $\frac{1}{4}$  lb. \$3.00 postpaid.

**ST. VALENTINE.** Matures in February. Heads large, solid, white, remaining in good condition longer than other varieties.

Pkt. 10c; oz. \$1.25;  $\frac{1}{4}$  lb. \$4.25; 1 lb. \$15.00 postpaid.

**EARLY LARGE WHITE FRENCH.** Very hardy. Heads large, white, compact.

Pkt. 10c; oz. 90c;  $\frac{1}{4}$  lb. \$3.00 postpaid.



PORTLAND SEED CO.

### GOLDEN SELF BLANCHING

## CELERY SEED and PLANTS

### CULTURE

Sow seed in hot bed or cold frame in early spring. Transplant when 3 inches high. Better plants are produced if plants are transplanted again when about 6 inches high.

**GOLDEN SELF BLANCHING.** One of the best early spring varieties. Stalks mature a beautiful golden yellow, which easily blanch to creamy white.

Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.75 postpaid.

Transplanted plants, doz. 25c; 100 \$1.50; 1000 \$12.50 postpaid. Season April, May and June.

**GOLDEN PLUME.** Superior quality, vigorous growing. A favorite with home gardeners. Semi-dwarf in habit. Stalks are brittle, blanch quickly. Fine flavor.

Pkt. 10c; oz. 75c;  $\frac{1}{4}$  lb. \$2.25 postpaid.

**WHITE PLUME.** Earliest known variety. Stalks crisp, tender, with inner leaves and heart white.

Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 60c postpaid.

**WINTER QUEEN.** Matures winter and spring. Compact growth, large heart. Stalks blanch to cream white. Ribs solid, crisp and free from strings.

Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 60c postpaid.

### CELERY CULTURE

Complete in every detail, from sowing the seed for new plants to handling carload lots. By Beattie. 150 pages, cloth bound.

Price \$1.00 postpaid.

## CHICORY

**LARGE ROOTED.** The roots, dug in the fall, dried, cut in thin slices and ground, are used as a substitute for coffee. Sow quite thinly in shallow drills in the spring. When well started, thin out to stand 2 or 3 inches apart in the row.

Pkt. 10c; oz. 15c; 1/4 lb. 50c postpaid.

**WITLOOF.** The leaves and leaf-stems of this variety are blanched and are used as a salad, like endive or cos lettuce.

Pkt. 10c; oz. 20c; 1/4 lb. 75c postpaid.

## CORN SALAD

**FETTICUS** or **LAMB'S LETTUCE**. Used in winter and spring as a substitute for lettuce or cooked like spinach. Sow in drills 1 foot apart, in spring or fall.

Pkt. 10c; oz. 20c; 1/4 lb. 70c postpaid.

## CORN

### CULTURE

Early varieties may be planted from April 1st to May 1st, depending on weather and soil conditions. Later varieties usually planted after May 1st.

All varieties Sweet Corn on this page (except as noted)  
Pkt. 10c; 1/2 lb. 20c; 1 lb. 30c; 10 lbs. \$2.00 postpaid.

## Sweet Corn—Yellow Varieties

**GOLDEN WEST.** Earlier than Golden Bantam. A most popular variety, 10 to 12 rows to ear. Fine for market.

**EARLY SUNSHINE.** One of the earliest yellow varieties. Kernels broad, 12 rows to ear, tender and sweet. A most delicious corn.

**GOLDEN BANTAM.** One of the most popular of all varieties. Stalks about 5 feet high. Eight straight rows of rich golden kernels to the cob. Tender, sweet and delicious.

**GOLDEN GIANT.** Larger than Golden Bantam. Ears well filled, 9 to 10 inches long. Kernels rich and tender.

## Sweet Corn—White Varieties

**EARLY PORTLAND MARKET.** Early, large-eared variety. Kernels large, sweet, plump, of purest white. A good market variety.

**OREGON EVERGREEN.** Heavy yielding, mid-season variety, with heavy husks, making it a good keeper after cutting. Ears large, kernels pure white, sweet. An excellent variety for canning.

**BLACK MEXICAN.** An old favorite still in good demand on account of its quality and sweetness. When ripe, the seed is bluish or black; when ready for table use the seed is white.

**STOWELL'S EVERGREEN.** Remarkable for remaining a long time in a fresh condition, suitable for the table. Hardy, productive. The best late variety for general use.

**COUNTRY GENTLEMAN.** An old-time variety. Delicious flavor. Shoepig kernels growing in staggered pattern. Ears long, cob small. More corn to the ear than other varieties.

## Field Corn

Prices for all Field Corn: 1 lb. 15c; 10 lbs. \$1.00 postpaid. Write for 100 lb. prices.

**OREGON GROWN YELLOW DENT.** Adapted to Western Oregon. Matures early, gives good grain yield. Excellent for silage.

**MINNESOTA 13 YELLOW DENT.** Earliest of all yellow field corns. Averages 7 feet high. A rapid, vigorous grower. Makes a fine fodder or ensilage crop. Ears are large and well filled from end to end. A heavy yielder.

**PRIDE OF THE NORTH (Yellow Dent).** Especially recommended for Eastern Oregon, Washington and Idaho plantings. Matures early, yields heavy. A fine silo corn.

**NORTHWESTERN DENT.** A red corn with yellow dent or cap. Adapted to high altitudes and short seasons. Quite frost and drouth resistant. Very early. Valuable for late planting. Fine for silage.

**WHITE FLINT.** Adapted to Northwestern conditions. Matures early, yields heavy.

**WISCONSIN WHITE DENT.** Is a large, handsome, White Dent, extremely early and matures perfectly.

**CHAMPION WHITE PEARL.** A large, White Dent variety. Very popular with our dairymen on account of the great amount of green feed it makes.

**KING PHILIP.** An early Red Flint Corn. Well acclimated and well known.

## Pop Corn

**PORTLAND SEED CO.'S "BUTTER CRISP".** The kernels of this variety pop out large and fluffy and are creamy colored, resembling buttered popcorn.

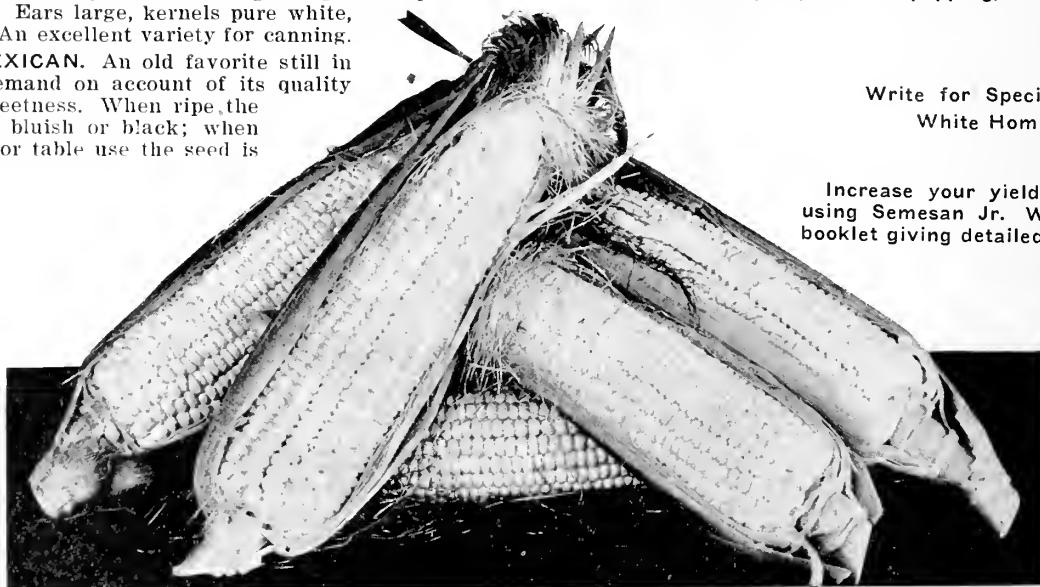
For seed, lb. 30c postpaid. For popping, lb. 20c postpaid.

**WHITE RICE.** The standard variety. Kernels pop out large and snowy white.

For seed, lb. 25c postpaid. For popping, lb. 15c postpaid.

Write for Special Prices on  
White Hominy Corn

Increase your yields of corn by  
using Semesan Jr. Write for free  
booklet giving detailed information.



STOWELL'S EVERGREEN

YOU MAY DEDUCT 10% FROM YOUR ORDER FOR POSTPAID DIAMOND QUALITY SEEDS AMOUNTING TO  
\$2.00 OR MORE

## CUCUMBERS

**DIAMOND LONG GREEN.** Leading large variety, crisp, tender, fine for slicing. Best for sweet pickles when matured.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.35 postpaid.

Individual plants, each 15c; doz. \$1.25 postpaid. In season, April, May and June.

**DAVIS PERFECT.** Vigorous grower. Fruits long, dark green, crisp, tender. Hold their color when placed on the market. Seed cavity small and desirable variety for home and market.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.35 postpaid.

**DELTUS.** Recommended for growing under glass as well as out of doors. Fruits 12 to 14 inches long, rich, dark green. Contains few seed. Fine for slicing.

Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 90c; 1 lb. \$3.25.

**SHORT GREEN or EARLY FRAME.** Early. Very hardy. Fruit straight, bright green, crisp, tender. Fine for slicing and pickling.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. \$1.15 postpaid.

**LEMON.** A very productive variety. The fruits resemble a lemon in both form and color, having distinctive flavor. Ready for slicing when starting to turn yellow. For pickling may be used either green or ripe.

Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 60c postpaid.

**BOSTON PICKLING or GREEN PROLIFIC.** The most popular pickling variety. Fruits 4 to 5 inches long. Bright green. Very productive.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.00 postpaid.

**IMPROVED WHITE SPINE.** One of the best sorts for table use, fruiting early and abundantly. Fruit uniformly straight and handsome. Light green, with a few white spines.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.15 postpaid.

**JAPANESE CLIMBING.** A useful variety for growing on a trellis or wire. The cucumbers are long, of a dark green color, white flesh, crisp and of a good flavor.

Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c postpaid.

**SMALL GHERKIN.** Small, oval, prickly fruited, grown exclusively for pickles. Pale green in color. Best when about  $1\frac{1}{2}$  inches long.

Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 60c postpaid.

## EGG PLANT SEEDS and PLANTS

**BLACK BEAUTY.** Extra early, quick growing, vigorous variety, uniform size. Color deep, blackish purple. Excellent for market.

Pkt. 10c; oz. 60c;  $\frac{1}{4}$  lb. \$1.75 postpaid.

Transplanted Plants, doz. 25c; 100 \$1.50 postpaid.

Individual Potted Plants, each 10c; doz. \$1.25. Plants are postpaid and are in season April, May and June.

**NEW YORK IMPROVED LARGE PURPLE.** Leading market variety. Not quite as early as Black Beauty. Large and productive.

Pkt. 10c; oz. 60c;  $\frac{1}{4}$  lb. \$1.75 postpaid.



GREEN CURLED ENDIVE

## ENDIVE

### CULTURE

Similar to lettuce. Outer leaves should be tied over the head to bleach.

**BROAD LEAVED BATAVIAN (Escarolle).** Has broad, thick leaves which form a large, loose head.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c postpaid.

**WHITE CURLED.** A beautiful variety with curled leaves.

For early use.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c postpaid.

**GREEN CURLED.** For fall and winter.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c postpaid.

## FENNEL

**FLORENCE FENNEL.** An Italian vegetable with thick leaf stem. Served boiled or sliced, also cooked in soups. Easily grown.

Pkt. 10c; oz. 25c postpaid.

## GARLIC

A profitable crop, when the soil is right. Plant in October. Write for cultural instructions and quantity prices.

Lb. 30c postpaid.

## HERB SEEDS

### For Flavoring and Pickling

**ANISE.** For flavoring.

$\frac{1}{4}$  lb. 15c; lb. 30c postpaid.

**CELERIY.** For flavoring.

Oz. 10c;  $\frac{1}{4}$  lb. 15c; 1 lb. 30c postpaid.

**CARAWAY.** For flavoring.

Oz. 10c;  $\frac{1}{4}$  lb. 20c postpaid.

**MUSTARD.** For flavoring.

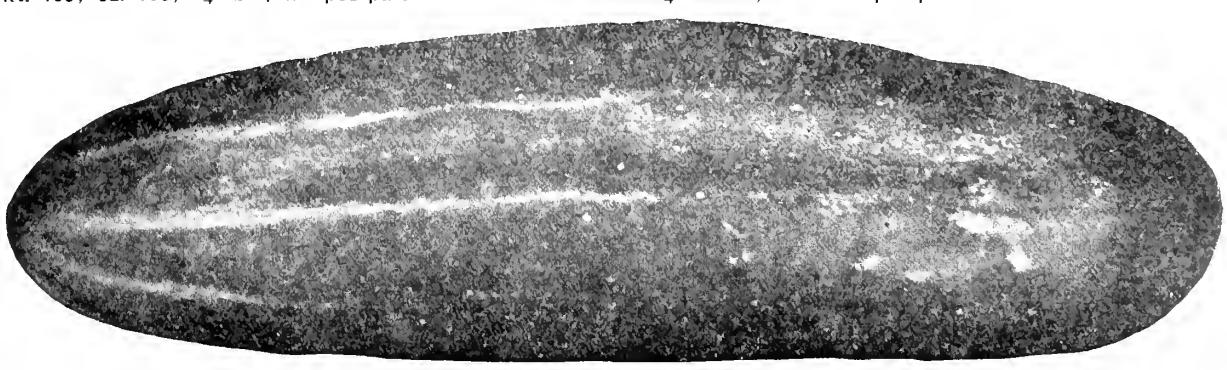
Lb. 20c postpaid.

**POPPY.** For flavoring.

$\frac{1}{4}$  lb. 10c; 1 lb. 35c postpaid.

**PARSLEY.** For flavoring.

$\frac{1}{4}$  lb. 10c; 1 lb. 35c postpaid.



DIAMOND LONG GREEN

## HERB SEEDS — For Planting

**ANISE.** Used as a cordial and for garnishing and flavoring. Seeds have an agreeable aromatic taste.  
Pkt. 10c; oz. 35c.

**BALM.** Leaves are fragrant and are used as a tea for fevers.  
Pkt. 10c; oz. 50c.

**BASIL (Sweet).** The leaves are used for flavoring soups, stews and highly seasoned dishes.  
Pkt. 10c; oz. 50c.

**FENNEL (Sweet).** The boiled leaves are used in sauces.  
Pkt. 10c; oz. 30c.

**HOREHOUND.** Leaves used for seasoning.  
Pkt. 10c; oz. 75c.

**HYSSOP.** Used as a stimulant and a mild tonic.  
Pkt. 10c; oz. 75c.

**BORAGE.** The leaves are used for flavoring and the flowers furnish bee pasture.  
Pkt. 10c; oz. 50c.

**CARAWAY.** Grown for the seeds, which are used extensively for flavoring of bread, pastry, etc.  
Pkt. 10c; oz. 25c.

**CATNIP or CATMINT.** The leaves are used for seasoning.  
It also makes an excellent bee pasture.  
Pkt. 10c; oz. \$1.00.

**CORIANDER.** The seeds are used in the manufacture of liquors and confectionery.  
Pkt. 10c; oz. 25c.

**DILL SEED.** For planting.  
Pkt. 10c; oz. 20c; 1/4 lb. 50c postpaid.

**MARJORAM (Sweet).** The leaves and the ends of the shoots are esteemed for seasoning in summer and are also dried for winter use.  
Pkt. 10c; oz. 75c.

**ROSEMARY.** The aromatic leaves are used for seasoning.  
Pkt. 10c; oz. \$1.00.

**RUE.** For medicinal purposes.  
Pkt. 10c; oz. 50c.

**SAGE.** The most extensively used of all herbs as a seasoning for dressing.  
Pkt. 10c; oz. 75c.

**SUMMER SAVORY.** A hardy annual. The dried stems, leaves and flowers are extensively used for flavoring, particularly in dressings and soups.  
Pkt. 10c; oz. 75c.

**THYME.** Used for seasoning.  
Pkt. 10c; oz. \$1.00.

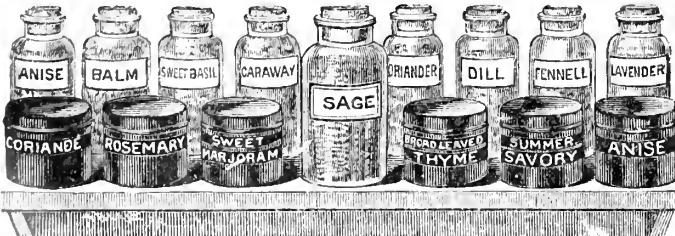
**WORMWOOD.** Used medicinally and is beneficial for poultry.  
Pkt. 10c; oz. 50c.

**TRUE LAVENDER.** Used chiefly in the manufacture of perfumery.  
Pkt. 10c; oz. 75c.

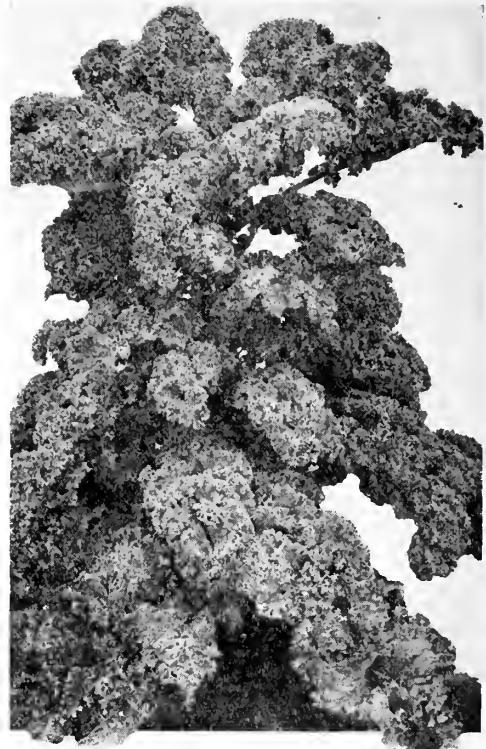
## HOP ROOTS

Oregon's famous English Cluster hops. Regular root cuttings.

3 for 30c; doz. 85c; 100 \$4.25 postpaid.



WE GIVE 10% DISCOUNT ON ORDERS FOR POSTPAID DIAMOND QUALITY SEEDS AMOUNTING TO \$2.00 OR MORE



TALL GREEN CURLED KALE

## HORSERADISH ROOTS

Plant in spring, 18 to 24 inches apart, setting the whole root small end down.

3 for 20c; doz. 60c; 100 \$2.25 postpaid.

## KALE or BORECOLE

**EMERALD ISLE.** Medium height, very hardy, vigorous, finest flavor. Produces new shoots as fast as leaves are used. Leaves closely curled.

Pkt. 10c; oz. 15c; 1/4 lb. 40c; 1 lb. \$1.35 postpaid.

**TALL GREEN CURLED SCOTCH.** Grows about 2 feet high. Leaves dark green, curled and wrinkled. Very hardy and is improved by a slight frost.

Seeds, pkt. 10c; oz. 15c; 1/4 lb. 35c; 1 lb. \$1.25 postpaid.

Plants, transplanted, doz. 20c; 100 \$1.25; 1000 \$10.00 f. o. b. Portland.

Plants, not transplanted, doz. 15c; 100 \$1.00; 1000 \$8.00 f. o. b. Portland. Season, April to July.

**DWARF GREEN CURLED.** Leaves beautifully curled and bright green.

Pkt. 10c; oz. 15c; 1/4 lb. 35c; 1 lb. \$1.25 postpaid.

**COW KALE or THOUSAND HEADED.** The most valuable green feed for Pacific Coast dairymen. Grown same as cabbage.

Oz. 10c; 1/4 lb. 15c; 1 lb. 40c postpaid.

Transplanted plants, doz. 20c; 100 \$1.25; 1000 \$10.00 postpaid.

Not transplanted plants, doz. 15c; 100 90c; 1000 \$7.00 postpaid. Write for quantity prices. Plants in season April to July.

## SPECIAL OFFER

Forage Crops. By Thomas Shaw. Complete list of forage crops, how to cultivate, harvest and use them. 280 pages, cloth bound.

Regular \$2.50; special 90c postpaid.



NEW YORK LETTUCE

**KOHL-RABI SEED****CULTURE**

Plant same as cabbage. A delicious vegetable cooked like turnip.

**EARLY WHITE VIENNA.** Very early. Bulb white. Best table variety.

Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c postpaid.

**EARLY PURPLE VIENNA.** Same as above except in color, which is purple.

Seed, pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c postpaid.

**LEEK**

**LARGE ROUEN or AMERICAN FLAG.** Cultivate same as onions and hill up about the neck to blanch.

Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 70c postpaid.

**LETTUCE SEEDS and PLANTS****CULTURE**

May be sown most any time of year that soil conditions permit. Cover about  $\frac{1}{2}$  inch deep. Heading varieties should be spaced about 12 to 14 inches apart each way.

**HANSON (Improved Hard Heading Stock).** One of the very best. Heads green outside and cream inside. It withstands the hot sun well.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.25 postpaid.

**BROWN DUTCH.** Forms a large, solid head. Sweet, tender and of good flavor. Outer leaves are tinged with brown. It is very hardy.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.25 postpaid.

**PORTLAND SEED CO.'S CRISPETTE.** Heads large, firm, crisp and tender. Bright green, curly leaves cover the outside. Solidity of the heads is insured by the large, white main ribs of leaves which curve toward the center. Withstands hot weather better than most varieties.

Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.35 postpaid.

**NEW YORK or WONDERFUL.** The best head lettuce for market growers. Large heads, solid, tender, crisp and sweet, beautifully blanched to a creamy white with bright green outer leaves. A hardy, rapid grower, deep rooted.

Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.35 postpaid.

Transplanted plants, doz. 25c; 100 \$1.50 postpaid. In season April and May.

**Loose-Leaf Varieties**

**GRAND RAPIDS.** The standard hothouse lettuce for forcing. Does fine in the open ground. Leaves light yellowish green, slightly crimped, crisp and tender.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.25 postpaid.

**SIMPSON'S EARLY CURLLED.** Fine for early planting and forcing. Leaves finely curled and wrinkled. Does not wilt readily.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.25 postpaid.

**BLACK SEEDED SIMPSON.** Forms a close, compact mass. Curly leaves of a yellowish green.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.25 postpaid.

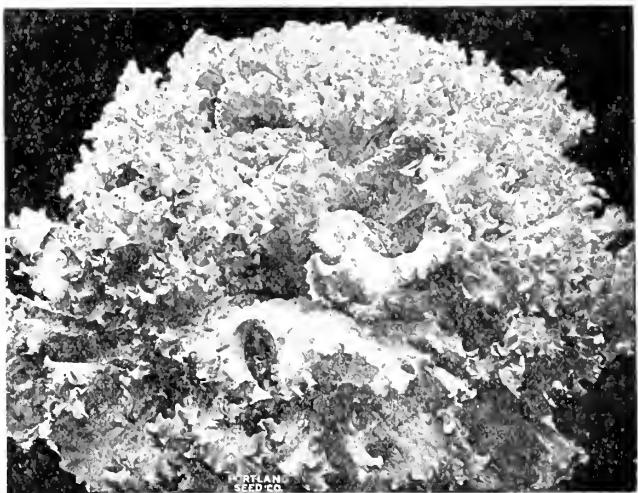
**CHICKEN LETTUCE.** Fine for chicken or rabbit feed. Does not form heads. Stalks 3 to 4 feet high, loaded with leaves. May be picked off the stem the same as kale.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.25 postpaid.

**GARDEN GUIDE**

**Amateur Gardener's Hand Book.** 380 pages of the best information available, with planting charts, profusely illustrated. 7x7 $\frac{1}{4}$  inches, paper covers.

Price \$1.00 postpaid.



GRAND RAPIDS

# Diamond Quality MELONS



## MELONS—Seeds and Plants

### CULTURE

May be planted soon as ground is warm and weather conditions permit. Hills 6 feet apart each way.

**KLECKLEY'S SWEET** or **MONTE CRISTO**. Vine vigorous, productive. Fruits oblong, dark green flesh, rich, red, sweet and tender.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 80c postpaid.

**BLACK SEEDED ICE CREAM**. Fruits almost round, rind thin, medium green. Flesh pink, sweet. Matures early. A fine keeper.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. \$1.00 postpaid.

**KLONDIKE**. Rind dark green, thin. Flesh distinctive shade of red, brittle and sweet. Fruits oblong. A good shipper because it does not wilt.

Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.75 postpaid.

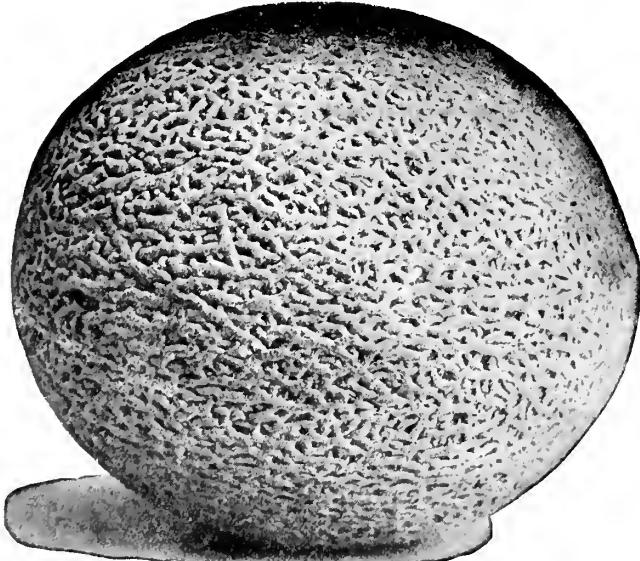
**Individual potted plants**, each 15c; doz. \$1.25 postpaid. Ready April to May.

**SWEETHEART**. Vine vigorous and productive. Fruits large, oval, heavy mottled, dark and bright green, rind thin, flesh bright red, firm, sweet and tender. A good shipper.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c postpaid.

**TOM WATSON**. Rind thin, dark green flesh, deep red, crisp, sugary. Fruits long, cylindrical. Stands handling and long shipment.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c postpaid.



BURRELL GEM

## CASABA

**GOLDEN BEAUTY**. Fruit early, globular, bright yellow, wrinkled skin. Flesh white, very thick, juicy and sweet.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.40 postpaid.

## MUSKMELONS—Seed and Plants

### CULTURE

Same as for watermelons. Hills 4 to 6 feet apart each way.

All varieties of Muskmelon on this page (except as noted)  
Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.25 postpaid.

**HEARTS OF GOLD**. A splendid shipping variety. Rind firm, densely netted. Flesh rich, orange color, fine grained, excellent flavor. Seed cavity small.

**Individual potted plants**, each 15c; doz. \$1.25 postpaid.  
In season April and May.

**OSAGE** or **MILLER'S CREAM**. Fruits oval, almost smooth. Flesh salmon color, thick, sweet. An all-purpose melon.

**SMALL GREEN NUTMEG**. Ripens early. Flesh green, fine and sweet. Fine for market and family garden.

**BURRELL GEM**. Fruits nearly round, heavy netting, flesh reddish orange, thick, fine grained. A perfect melon for market and home garden.

**ROCKY FORD POLLOCK 10-25**. Fruits uniform, heavily netted. Flesh salmon tinted. Good shipping and keeping qualities.

**LARGE YELLOW CANTALOUP**. Early and productive. Flesh salmon color. Rich, sweet.

## MUSTARD SEED—For Planting

Sow any time in the spring, in rows. Thin out as necessary.

**SOUTHERN GIANT CURLED**. Large variety, with fine curled leaves.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 75c postpaid.

**FORDHOOK CURLED**. Dark green, finely curled, leaves of distinctive flavor. Fine for salads.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 75c postpaid.

Use Germaco Hotkaps for melons. Early crops command the best price. Read what a user has to say about them.

"Regarding 'Hotkaps' which I purchased from you, I might state that I used them over melon plants planted in the field and have melons about two weeks ahead of any of my neighbors who grew plants in their greenhouses in berry boxes and transplanted into the field."

**DEDUCT 10% FROM ORDERS FOR POSTPAID DIAMOND QUALITY SEEDS AMOUNTING TO \$2.00 OR MORE**

## ONIONS

### CULTURE

Plant in February or March if soil and weather permit. Cover about  $\frac{1}{2}$  inch deep. Thin to about 8 plants per foot.



WHITE BUNCHING

**PORTLAND SEED CO.'S OREGON YELLOW DANVERS.** Bulbs large, half globe, small neck, thin, brownish skin. Flesh firm, fine grained, white, mild. Ripens up hard and early. A good keeper. Best for coast markets.

Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$2.00 postpaid.

**WHITE "BUNCHING".** An attractive "green onion". The young stalks are crisp and mild, attaining a good size before the bulb forms.

Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.75 postpaid.

**AUSTRIAN BROWN.** Globe-shape bulbs, clear, amber skin. Ripens early. Good keeper. Used largely for growing sets.

Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.35 postpaid.

**YELLOW GLOBE DANVERS.** Round or globe-shape variety, thin, yellowish skin, flesh white, fine grained, firm. Good keeper. Ripens early.

Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.75 postpaid.

**PRIZETAKER.** Fine flavor, enormous size, perfect globe shape, bright, straw-colored skin, neck very small and always ripens up hard.

Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$2.00 postpaid.

**LARGE RED WEATHERSFIELD.** Large, flat onions, purplish red. Very productive.

Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$2.00 postpaid.

**WHITE PORTUGAL.** Medium size, flat, pure white. Flesh firm, fine grained. Late ripening. Good keeper. Fine for white sets and pickling onions.

Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$2.00 postpaid.

**RIVERSIDE SWEET SPANISH.** A large, globe-shaped, brown onion, weighing 1 to 3 pounds. Small tops. Flesh mild and sweet.

Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.75 postpaid.

**BOTTOM ONION SETS.** Small onions grown from seed planted too thick to attain large size. Will produce green onions in short time. Will also produce dry onions earlier than those grown from seed.  
Lb. 25c postpaid. Write for quantity prices.

### CRYSTAL WAX BERMUDA.

Medium size, pure, waxy white. One of mildest sorts grown.

Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. \$1; 1 lb. \$3.75 postpaid.

**YELLOW BERMUDA.** Same size as Crystal Wax. Yellow straw color. Slightly better for shipping.

Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. \$1; 1 lb. \$3.75 postpaid.



## OKRA or GUMBO

Grown for its green pods, which are used in soups, stews, etc., for their rich flavor and substance.

**IMPROVED DWARF GREEN.** Very early, with long, green, slender pods.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c postpaid.

**WHITE VELVET.** Large pods, smooth or very slightly ribbed. Remain tender a long time.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c postpaid.

## PARSLEY—Seed and Plants

**PLAIN.** Plain leaves, flat, dark green. Used for flavoring and drying.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c postpaid.

**TURNIP ROOTED or HAMBURG.** Roots used for flavoring soups, stews, etc.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c postpaid.

**EXTRA DOUBLE CURLED.** Dark green, moss-like leaves, finely curled.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c postpaid.

Individual potted plants, each 15c; doz. \$1.50 postpaid.  
In season April, May and June.

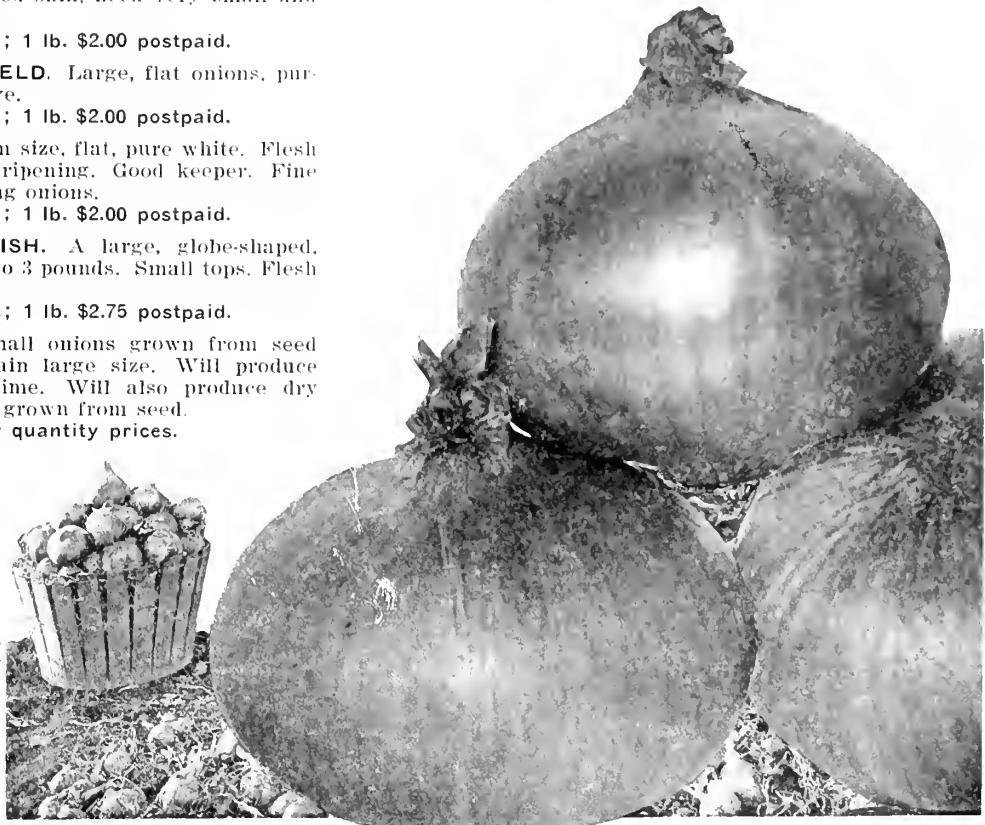
## PARSNIPS

### CULTURE

Culture same as for carrots. May planting considered best.

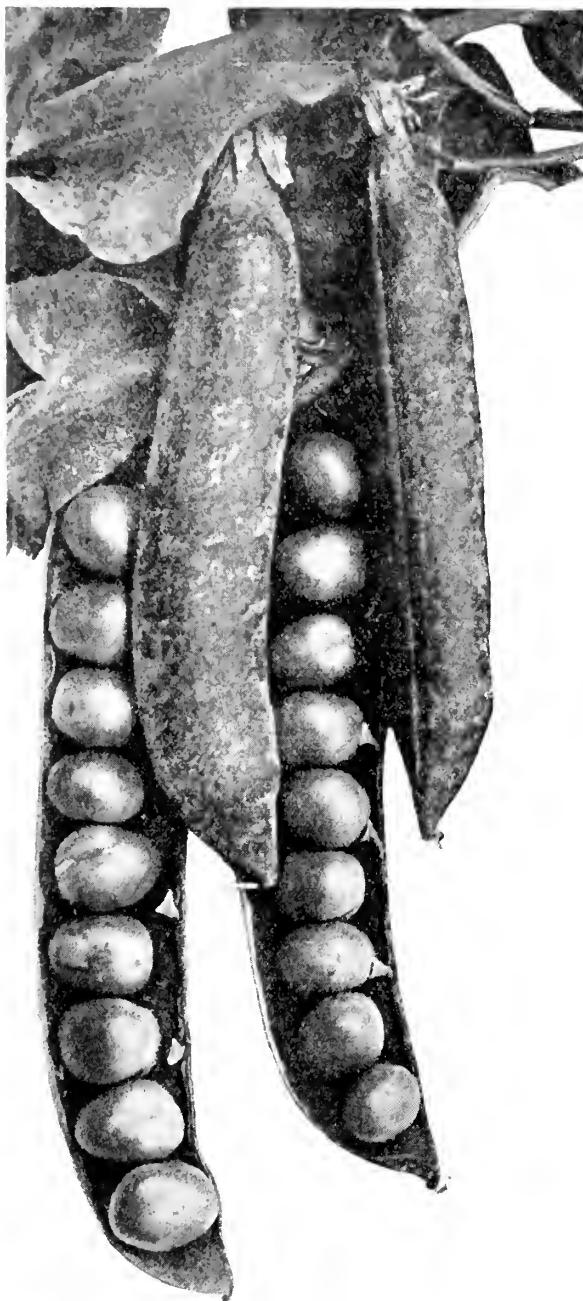
**HOLLOW CROWN or LONG WHITE.** Long, white, smooth, tender, sugary, excellent flavor. Very hardy. Will keep through the winter without protection.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 80c postpaid.



P. S. C.'S OREGON YELLOW DANVERS

DIAMOND QUALITY SEEDS ARE GROWN FROM PURE SELECTED SEED STOCKS



TALL TELEPHONE

**GARDEN PEAS****CULTURE**

Plant as soon as weather and soil conditions permit in the spring.

All varieties of peas on this page (except as noted)  
Pkt. 10c;  $\frac{1}{2}$  lb. 20c; 1 lb. 30c; 10 lbs. \$2.00 postpaid.

**Main Crop Varieties**

**GRADUS or PROSPERITY.** Early wrinkled pea, pods large, dark green. Vines  $2\frac{1}{2}$  to 3 feet in height. Excellent quality and flavor. Very popular with gardeners.

**TALL TELEPHONE.** A standard market variety. Very productive, extra large pods, peas of the finest quality and flavor. A strong, rapid grower, vigorous, 4 to 5 feet.

**IMPROVED STRATAGEM.** One of the best large podded varieties. Peas large, dark green, fine quality. Vine medium height, stocky. A good yielder.

**Early and Dwarf Varieties**

**EARLY DWARF GRADUS.** Slightly earlier and more dwarf than the regular Gradus. Pods medium green, rather large and well filled with dark green peas of exceptional quality.

**DWARF TELEPHONE or DAISY.** Medium tall. Large, well filled pods. Excellent flavor.

**LAXTONIAN.** An early, large podded pea of superior excellence. Pods are well filled, holding 8 to 10 peas.

**LITTLE MARVEL.** Dwarf, bushy vines. Pods  $2\frac{1}{2}$  to 3 inches long, tightly filled with plump, luscious, deep green peas.

**AMERICAN WONDER.** A popular early, wrinkled variety, vine 10 to 12 inches in height. Peas sweet, tender, well flavored.

**PREMIUM GEM.** One of the earliest dwarf varieties. Vines about 15 inches in height. Pods light green, rich, fine flavored, sugary peas.

**ALASKA or EARLIEST OF ALL.** A smooth, blue pea, vine 2 to 3 feet in height. Peas medium size, bright green, excellent flavor.

**PEPPERS—Seeds and Plants****CULTURE**

Start in hot bed or pots during February or March. Transplant to open ground when 3 or 4 inches high.

**PERFECTION PIMENTO.** Unequaled for sweetness. Large, flesh smooth, thick, vigorous grower. Yields heavy. Popular garden variety.

Pkt. 10c; oz. 60c;  $\frac{1}{4}$  lb. \$1.75 postpaid.

**LARGE BELL or BULL NOSE.** Large, mild, thick-fleshed variety. Fine for stuffed pickles.

Seeds, pkt. 10c; oz. 60c;  $\frac{1}{4}$  lb. \$1.75 postpaid.

Plants, transplanted, doz. 30c; 100 \$1.75; 1000 \$12.00 postpaid.

Individual potted plants, each 15c; doz. \$1.25 postpaid. In season April and May.

**CAYENNE.** Pods long, bright red. Very pungent and used with pickles when green.

Seeds, pkt. 10c; oz. 60c;  $\frac{1}{4}$  lb. \$1.75 postpaid.

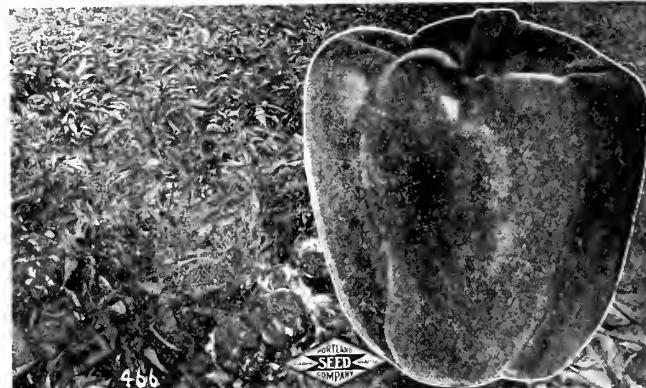
Transplanted plants, doz. 30c; 100 \$1.75; 1000 \$12.00 postpaid. In season April and May.

**CHINESE GIANT.** A favorite with gardeners. Large, thick flesh and mild. Fine for salads, relishes. Ships well. Pkt. 10c; oz. 75c;  $\frac{1}{4}$  lb. \$2.00 postpaid.

**RUBY KING.** Very large, sweet and mild. Bright scarlet. Pkt. 10c; oz. 60c;  $\frac{1}{4}$  lb. \$1.75 postpaid.

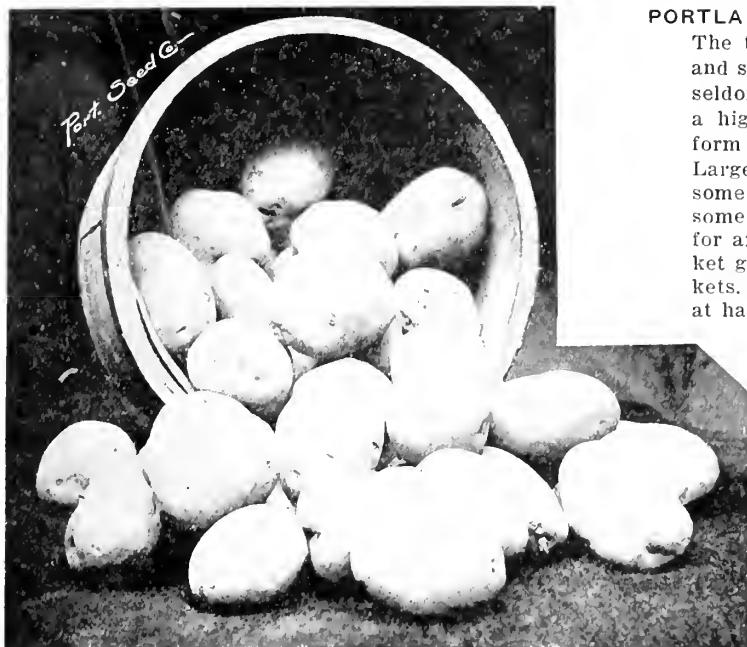
**CHILI.** Pods small and pointed, brilliant scarlet. Very pungent when ripe.

Seeds, pkt. 10c; oz. 60c;  $\frac{1}{4}$  lb. \$1.75 postpaid.



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CHINESE GIANT



P. S. CO.'S EARLIEST OF ALL

**POTATOES**

CERTIFIED SEED

All varieties—10 lbs. \$1.00 postpaid. Write for special low prices on quantities.

**EARLY ROSE**—Certified. The best lot of this old standard variety we have ever had. A big yielding early potato and the best baking variety grown. Has rose skin, white flesh, with a Burbank shape.

**EARLY OHIO**—Certified. Vines erect, with rather heavy stems. Easy to cultivate. Somewhat light yielder, but catches the very early markets. Tubers are cylindrical and blocky, skin pink with russet dots. They ship well as new potatoes.

**BURBANKS**—Certified. This is the standard commercial variety. It is a very profitable potato to grow, meeting the popular demand of the Pacific Coast markets. We offer a select, true, heavy yielding strain. When in doubt as to the variety to plant, Burbank will prove your safest choice.

**AMERICAN WONDER**—  
Certified. Vigorous vine, profuse bloomer, heavy setter. Used by truck gardeners for early crops. The elongated shape meets the Pacific Coast market demands.

Treat your seed potatoes with new improved SEM-ESAN BEL. Write for free booklet giving detailed information.

**PORTLAND SEED CO.'S EARLIEST OF ALL—Certified.**

The tubers are of a flattened, round shape, with few and shallow eyes, white skin; are exceptionally smooth, seldom making a second growth, which always insures a high percentage of marketable tubers. The tubers form close together in the hills, making digging easy. Large, white blossoms easily distinguish this from some of the later varieties, the tubers of which are somewhat similar in shape. A remarkably good keeper for an early variety. An ideal forcing potato for market gardeners who grow for the high-priced early markets. Its great superiority will readily manifest itself at harvest.

**NETTED GEMS (Russet Burbanks)—Certified.**

A splendid late potato that is grown extensively in irrigated sections. Tubers are elongated, russet netted skin, flesh white, shallow eyes. Good keepers and produce a fine yield.

**IRISH COBBLER**—Certified. This potato is the leading market variety. Grown extensively on the early truck lands of the East. Sets quickly with marketable size tubers early. Produces a round, blocky tuber.

**PUMPKINS****CULTURE**

Plant during early May. Hills 6 to 8 feet apart.

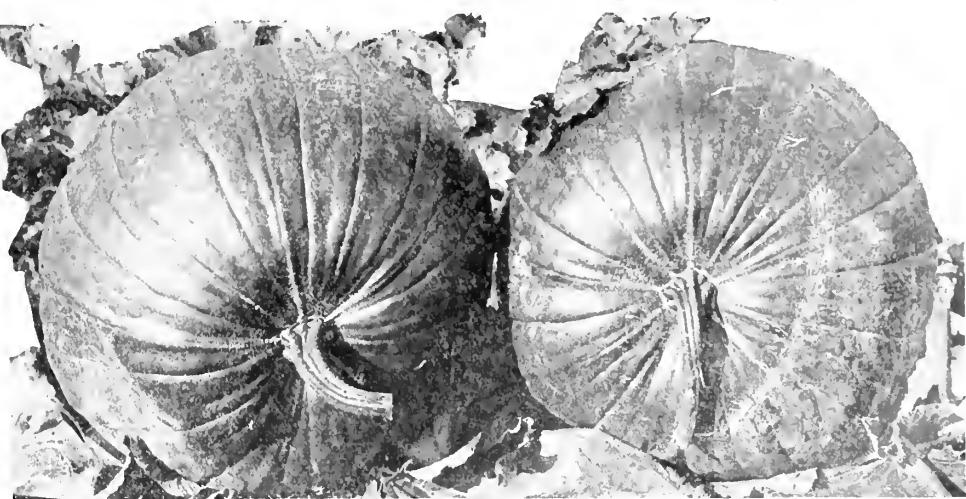
All varieties of Pumpkin on this page (except as noted)  
Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. \$1.00 postpaid.

**LARGE YELLOW or CONNECTICUT FIELD.** Large, round. Deep, glossy yellow. Very productive. Good keeper. Grown extensively for stock feeding.

**GIANT OF ALL ("King of Mammoths").** Almost a globe in shape. Skin a rich golden yellow, flesh firm, fine grained and deep yellow, sweet flavored, very thick. Excellent quality.

**WINTER LUXURY.** The best flavored pie pumpkin grown. Excellent keeper. Medium size. Color golden russet, finely netted. Flesh deep golden, sweet, tender and very thick.

**SWEET or SUGAR.** A productive small pumpkin. Skin orange, flesh deep yellow, fine grained. Very sweet. The famous "New England Pie Pumpkin."



LARGE YELLOW

**DIAMOND QUALITY SEEDS ARE TESTED FOR PURITY AND GERMINATION**



EARLY CRIMSON GIANT

**RADISHES**

## CULTURE

May be planted almost the year around, except during cold weather months.

All varieties of Radish on this page (except as noted)  
Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 85c postpaid.

**CRIMSON GIANT.** Roots large, turnip shape. Flesh solid, crisp, juicy, mild flavor. Very early. Excellent for forcing and open ground.

**EARLY SCARLET TURNIP, White Tipped.** Turnip shaped roots tipped with white. Flesh white, crisp, tender and sweet. Tops small. Matures very early.

**EARLY SCARLET GLOBE.** Small, scarlet, globe-shaped radish, small top. Very quick growth, very early. Rich color and crisp, tender flesh.

**LONG BLACK SPANISH.** A hardy radish adapted for winter use. Roots long, thick, almost black. Flesh white, of firm texture and well flavored.

**WHITE ICICLE.** A popular white radish. Roots long, clear, white, especially mild.

**FRENCH BREAKFAST or HALF LONG.** Medium size, quick growth, crisp and tender. Lower end and taproot white.

**CHINA ROSE WINTER.** An excellent winter variety. A favorite with market gardeners. Roots bright rose, flesh white, firm, superior quality.

**THE GARDENER.** By L. H. Bailey. You get full advantage of Dr. Bailey's unequalled knowledge and experience in this book. It tells how to grow flowers, vegetables and fruits from the time of planting through to maturity. Special articles on different types of gardening. Information that is easy to find and simple to use. 116 illustrations. 200 pages.

Price \$2.10 postpaid.

**RHUBARB PLANTS**

## CULTURE

Plant crown even with surface of ground, 3 to 4 feet apart in row and rows 4 to 5 feet apart. Water immediately. Keep well cultivated close to plant for 2 feet distance. Irrigate each week for two months. Cultivate after each irrigation.

**IMPROVED PANAMA.** Everbearing. In the absence of frost, makes its most profitable growth during the winter. Stems often 3 feet long, weighing 2 pounds. The flavor is of the plum type. Requires less than half the amount of sugar ordinarily used. Should not be peeled.

Each 35c; doz. \$3.75; 100 \$30.00 postpaid.

**RIVERSIDE GIANT.** Crisp, tender, free from stringiness, good color, delicious, distinctive flavor. The skin disappears in cooking. A commercial rhubarb. Thirty-five tons per acre is a conservative estimate for the season. Cuttings begin in March and usually four are made, the last one in July.

Each 15c; doz. \$1.50; 100 \$7.50 postpaid. Special price on large lots.



SALSIFY

**SALSIFY or VEGETABLE OYSTER**

**MAMMOTH SANDWICH ISLAND.** Roots large, smooth, very hardy. May remain in ground during winter or may be stored in dry earth or sand.

Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 55c; 1 lb. \$2.00 postpaid.



WHITE ICICLE

YOU MAY DEDUCT 10% FROM YOUR ORDER FOR POSTPAID  
DIAMOND QUALITY SEEDS AMOUNTING TO \$2.00 OR MORE

## SPINACH

### CULTURE

For early spring use sow in the fall or sow in early spring for later use.

All varieties of Spinach on this page (except as noted)  
Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 50c postpaid.

**NEW ZEALAND.** Thrives in hot weather in any soil. Leaves comparatively broad and pointed. Will grow through the summer.

Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 30c; 1 lb. 75c postpaid.

**IMPROVED THICK LEAF.** Forms a cluster of large, smooth, medium dark green leaves, very thick. Best for market gardeners.

**KING OF DENMARK.** A valuable early variety. Leaves large, medium dark green, remaining in condition one to two weeks. Fine for the home garden.

**PRICKLY WINTER.** Hardest variety. Must be sown in the fall. Seed prickly. Leaves long, pointed, thick and succulent.

**LONG STANDING.** Large, fleshy, savoyed leaves remain in an edible condition over a long period. Slow to go to seed.

## SQUASH

### CULTURE

Squash culture same as for Pumpkins.

All varieties of Winter Squash, except as noted, pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.25 postpaid.

## Summer Varieties

**COCOZELLE or ITALIAN MARROW.** Skin dark green, becoming marbled with yellow at maturity. Flesh pale green, thick, firm and tender. Best when 5 to 6 inches long.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.15 postpaid.

**EARLY SUMMER CROOKNECK.** Earlier and larger than ordinary crookneck. Skin yellow, thin, hard and warty. Flesh tender and of good quality.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.15 postpaid.

**WHITE BUSH SCALLOP.** Early, medium size, somewhat flattened, creamy white skin. Flesh milk white, firm, richly flavored.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.15 postpaid.



IMPROVED  
THICK  
LEAVED.

BEST FOR  
MARKET  
GARDENERS.

## Winter Varieties

**IMPROVED HUBBARD SQUASH.** Large and of warty Hubbard type. Shell dark green, hard, moderately warted. Flesh light orange, very dry and richly flavored. One of the best winter squashes.

**BANANA.** One to two feet long. Flesh firm, orange yellow. Rind smooth, greyish green color. Excellent flavor. Splendid keeping qualities.

**BOSTON MARROW.** Skin yellowish, very thin. Flesh dry and fine grained. Of unsurpassed flavor.

**GOLDEN HUBBARD.** Same in size, shape and quality as the well-known Hubbard squash, except that it is bright red or golden color and somewhat earlier. Good keeper.

**MAMMOTH CHILI.** The largest of all squashes. The rich, fine flavored flesh insures its value for all purposes.

**SIBLEY or PIKE'S PEAK.** Rind smooth, thin, pale green color. Flesh thick, solid, deep orange, dry, delicious flavor.

**TABLE QUEEN.** Small, dark green, acorn shape. Flesh rich yellow, dry, richly flavored. Medium early. A good keeper. Easy to grow.

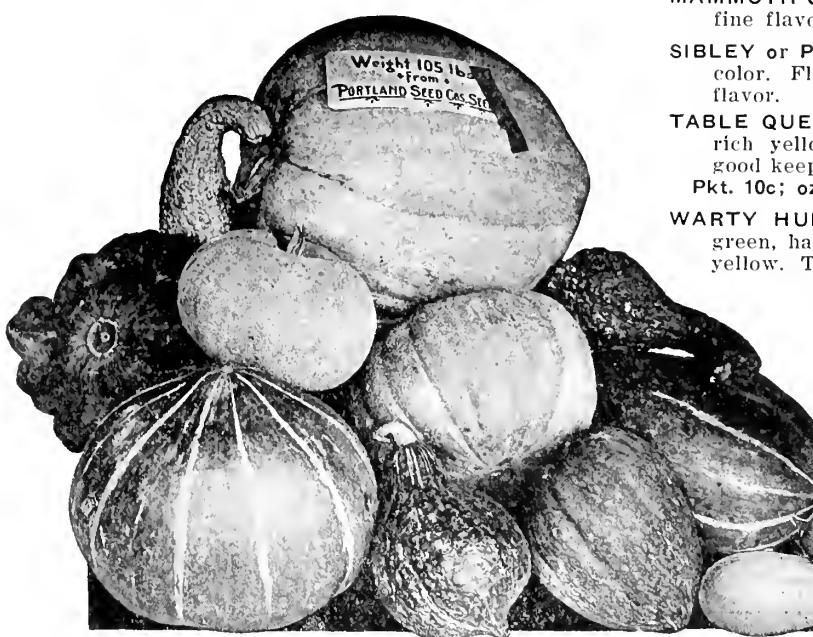
Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.50 postpaid.

**WARTY HUBBARD.** Round, with elongated ends, dark green, hard, deeply warted shell. Flesh bright orange yellow. Thick, dry and rich. Excellent winter squash.

## Use EVERGREEN Spray

Sure death to plant insects—Harmless to man, birds and animals

A sure killer of most plant insects—and yet offers no poison whatever to human beings, livestock or birds—it is positively not a poison. The active principle is Pyrethrum, or insect flowers, which has this valuable property of being deadly to nearly all insects.





BONNY BEST

**SWISS CHARD**

**LUCULLUS.** Grows about 2½ feet high. Stalks are heavy, over an inch thick. Leaves make the finest greens. Mid-ribs may be prepared like asparagus.

Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c postpaid.

**SWEET POTATO PLANTS**

The plants should be set after the ground is warm. Any good garden soil, but rich, sandy bottom is best. Plants in season May and June.

Doz. 50c; 3 doz. \$1.10; 100 \$2.25 postpaid.

**TOMATO—Seed and Plants****CULTURE**

Plant in box inside or hot bed during February or March. Transplant soon as danger of frost is past.

All varieties of Tomatoes on this page (except as noted)  
Pkt. 10c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.75 postpaid.

**MARIGLOBE.** Very resistant to disease. Fruits large, globe shape, deep red, finest quality. Excellent for slicing and canning.

Pkt. 10c; oz. 45c; ¼ lb. \$1.50; 1 lb. \$5.50 postpaid.

**DWARF CHAMPION.** Vine dwarf or tree type. Fruits purplish pink, smooth.

Pkt. 10c; oz. 40c; ¼ lb. \$1.40; 1 lb. \$5.00 postpaid.

**SPARK'S EARLIANA.** One of the earliest scarlet fruited varieties. Medium size, almost seedless and solid. Vine open and spreading. A heavy bearer. Succeeds everywhere.

**BONNY BEST.** Early, hardy, scarlet fruited variety. Medium size, solid, smooth, quite round. Very productive. Quality excellent.

**CHALK'S EARLY JEWELL.** Fruits large, bright red, round, smooth, solid, almost seedless. Recommended for market or home garden.

**BURBANK.** Fruits bright crimson, smooth, firm, with few seeds. Keeps well and a good shipper. Ripens early.  
Pkt. 10c; oz. 35c; ¼ lb. \$1.25; 1 lb. \$4.50 postpaid.

**JOHN BAER.** Brilliant round fruits, high crown, smooth, delicious flavor, easily peeled. Yields heavy. Keeps well and a good shipper.

**STONE.** Popular with canners and gardeners. Scarlet fruited, solid, perfect shape, carrying qualities remarkable.

**GOLDEN QUEEN.** Large, smooth, pure yellow, mild flavor.  
Pkt. 10c; oz. 50c; ¼ lb. \$1.65 postpaid.

**YELLOW PEAR.** Small, yellow fruits. Pear shape, solid, very hardy. Fine for preserving.

Pkt. 10c; oz. 50c; ¼ lb. \$1.75 postpaid.

**YELLOW PLUM.** Small plum-shaped, deep yellow skin and flesh. For preserving.

Pkt. 10c; oz. 50c; ¼ lb. \$1.75 postpaid.

**GROUND CHERRY.** Fruits small, yellow, enclosed in loose paper husks. Very much prized for preserving.

Pkt. 10c; oz. 50c; ¼ lb. \$1.75 postpaid.

Transplanted plants, doz. 25c; 100 \$1.25 postpaid. In season April, May and June.

**TOMATO PLANTS**

In season April, May and June. We have a complete stock of healthy transplanted plants in the following varieties: Spark's Earliana, Bonny Best, Burbank, Chalk's Early Jewel, John Baer and Dwarf Champion.

Transplanted plants, doz. 30c; 100 \$1.50; 1000 \$12.50, postpaid.

Individual potted plants, Bonny Best or Early Jewel only, each 15c; doz. \$1.25 postpaid.

**TOBACCO**

**CONNECTICUT SEED LEAF.** Hardy and the best adapted to cool localities.

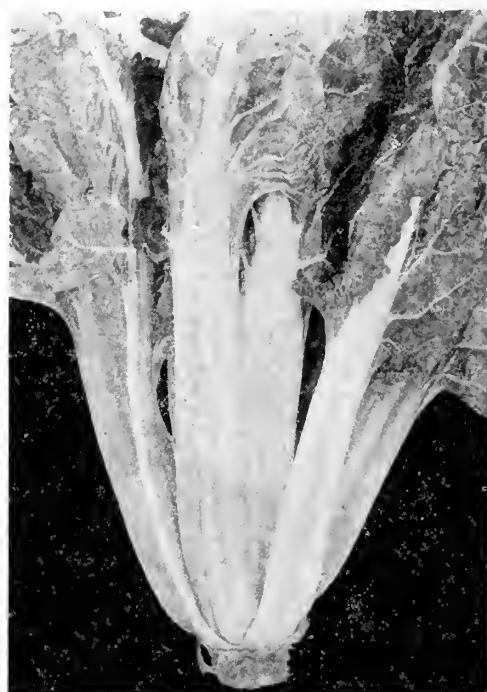
Pkt. 10c; oz. 75c postpaid.

**HAVANNA.** Of fine texture and delicate flavor.

Pkt. 10c; oz. 75c postpaid.

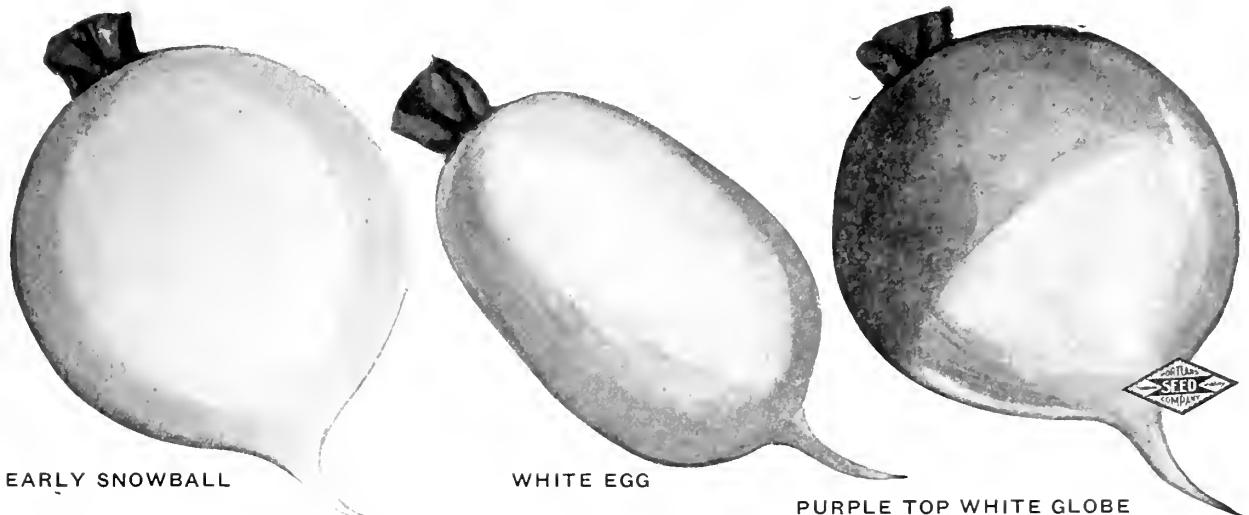
Use Germaco Hotkaps for tomatoes. Early to market brings better prices. Read what a user of Hotkaps has to say about them.

"I am well pleased with 'Hotkaps'. I use them instead of an insurance policy on my early plants. I have been selling tomatoes for the past week, and that is about fifteen or twenty days earlier than anyone else."



SWISS CHARD

**WE GIVE 10% DISCOUNT ON ORDERS FOR POSTPAID DIAMOND QUALITY SEEDS AMOUNTING TO \$2.00 OR MORE**



## TURNIPS

### CULTURE

For early use sow as soon as ground can be worked. For fall and winter use sow during August and September. All prices of Turnips on this page (except as noted), pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 65c postpaid.

**EARLY FLAT WHITE DUTCH.** Small, erect tops. Roots flat. Flesh white, firm, tender and sweet. Makes quick growth.

**EARLY WHITE MILAN.** Same as Purple Top only roots are pure white.

Pkt. 10c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.25.

**EARLY SNOWBALL.** Matures very early. Roots round, snowy white, crisp, fine flavor.

**GOLDEN BALL.** Medium size, round, yellow. Flesh firm, hard, most excellent flavor. Keeps well. A fine table variety.



RUTABAGA—AMERICAN PURPLE TOP

**EARLY PURPLE TOP MILAN.** Among the earliest. Small, erect top. Roots purple above, white below. Flesh white and firm.

**PURPLE TOP STRAP LEAF.** An early variety. Roots medium size, flat, purple above the ground, white below. Flesh white, firm but tender. May be used for table or stock feeding.

## MAIN CROP TURNIPS

**POMERANIAN WHITE GLOBE.** Standard variety. Perfect globe shape, skin white, smooth. Has unusual long feeding period before becoming pithy. Yields heavy.

**PURPLE TOP WHITE GLOBE.** Large, globe shape. Purple on top, white below. Excellent quality. Recommended for family garden and field crop.

**YELLOW ABERDEEN.** Medium size, round, light yellow. Very productive, hardy. Flesh firm, tender and sweet. A favorite with dairymen.

**COWHORN.** Large, long, white roots, growing half out of the ground. One of the best stock turnips.

**WHITE EGG.** Smooth, pure white. Grows half out of the ground. Choice for table use. Flavor sweet and mild.

**BORTFIELD.** The easiest harvested root crop. A good keeper; will keep through the average winter in the field. Due to thick skin, is quite resistant to worm injury. A very heavy yielder.

## RUTABAGA or SWEDE

**IMPROVED AMERICAN PURPLE TOP.** The leading variety. Large, immense yielder. Superior in every way.

Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 65c postpaid.

## Naphthalene

For Treating Soil for Insect Pests

Used by truck gardeners, bulb growers and for field crops to drive away grubs, wire worms, slugs, centipedes, aphids, etc. Safest, most powerful insect repellent that can be used in quantities at low price. In granulated form, with strong odor like moth balls. Has been used in Europe for years. Drives off caterpillars, stupefies insects.

Prices—1 lb. can 25c; 5 lbs. 75c; 10 lbs. \$1.25; 25 lbs. \$2.25; 50 lbs. \$4.00; 100 lbs. \$7.50 f. o. b. Portland.



## DIAMOND QUALITY GRASS SEEDS—Laboratory Tested FOR PASTURES, LAWNS AND HAY

The choicest new crop seeds, recleaned and tested for purity and germination. Prices are postpaid to fourth zone only; beyond that, add additional postage.

**BERMUDA GRASS** (*Cynodon dactylon*). Suitable only for climates where the winters are not below the freezing point. It stands the hottest and driest season. Sow 6 pounds per acre.

Lb. 65c; 10 lbs. \$6.00 postpaid.

**BLUE GRASS, CANADIAN** (*Poa compressa*). Recommended in all pasture mixtures on dry soil. Thrives well on clay or hard trodden and poor soil. Sow 25 pounds per acre.

Lb. 35c; 10 lbs. \$3.00 postpaid.

**BLUE GRASS, KENTUCKY** (*Poa Pratensis*). One of the best grasses for permanent pastures, furnishing a constant supply of feed during the greater part of the year. Lawns, 1 pound to 200 square feet. Pasture, 25 pounds per acre.

Lb. 50c; 10 lbs. \$4.50 postpaid.

**ASTORIANA CREEPING BENT GRASS.** This is one of the most popular Bents, because it is a true type and not a mixture. It requires less moisture and does well on higher, drier ground and will stand severe cold winters much better than other Bents. It has a beautiful, pleasing green and a fine, velvety texture, forming a matted turf and one that will stand much hard wear. It forms a permanent lawn and improves with age. One pound to 300 square feet.

Lb. \$1.10; 10 lbs. \$10.50 postpaid.

**PACIFIC CREEPING BENT GRASS.** Grown on this coast, acclimated to this country and especially recommended for golf courses. It makes an exceptionally fine turf that smothers out weeds.

Lb. \$1.00; 10 lbs. \$9.50 postpaid.

**DIAMOND FANCY LAWN GRASS MIXTURE.** Prepared from the choicest recleaned grass seeds, carefully selected for their fineness, their deep-rooting, close-growing habits and seasonable qualities, producing an ideal, dense, velvety turf of lasting quality that remains green throughout the year. Sow 1 pound to 200 square feet.

Lb. 60c; 10 lbs. \$5.50 postpaid.

**DIAMOND FANCY LAWN GRASS MIXTURE with CREEPING BENT.** This mixture has sufficient Creeping Bent to eventually dominate the lawn and crowd out the weeds, at the same time giving a fine, velvety turf. Sow 1 pound to 200 square feet.

Lb. 70c; 10 lbs. \$6.50 postpaid.

**DIAMOND SHADY LAWN MIXTURE.** Especially selected for producing a fine, velvety lawn under firs and shade trees where most grasses do not thrive.

Lb. 70c; 10 lbs. \$6.50 postpaid.

**BROMUS INERMIS** (Awnless Brome Grass). The best grass we have for the semi-arid regions of the Northwest. Grows luxuriantly, is freely eaten dry or green by cattle. Sow 25 to 30 pounds per acre. Spring or fall.

Lb. 45c; 10 lbs. \$4.00 postpaid.

**CRESTED DOG'S TAIL** (*Cynosurus cristatus*). A perennial grass with short, narrow leaves. Valuable for lawns or pastures on dry, light land. Makes excellent sheep pasture. Use 20 pounds per acre if sown alone. Lawns, 1 pound to 100 square feet.

Lb. 60c; 10 lbs. \$5.50 postpaid.

**FESCUE, CHEWING** (*Festuca Duriuscula*). A low-growing grass, fine leaved, forms a close turf that prevents ingress of weeds. Permanent in all kinds of soils. Unexcelled for lawns and golf courses. Lawns, 1 pound to 200 square feet. Pasturage, 30 pounds per acre.

Lb. 55c; 10 lbs. \$5.00 postpaid.

**FESCUE, MEADOW** (*Festuca pratensis*). Perennial. Grows 3 to 4 feet high. Roots deep, thus resisting drought. It succeeds on any ordinary soil. Yields a heavy crop of superior hay. One of the best grasses for pastures, being valuable to mix with other kinds. Pasture, 30 to 40 pounds per acre.

Lb. 35c; 10 lbs. \$3.00 postpaid.

**MESQUITE** (*Holcus lanatus*). Usually sown on virgin soil without cultivation, after ground is burned over. Pasture, 20 to 30 pounds per acre.

Fancy hulled seed, lb. 30c; 10 lbs. \$2.50 postpaid.

**OAT GRASS, TALL MEADOW**. The earliest grass to start in the spring and the last to die in the fall. Withstands drought, heat and cold much better than other grasses. A long-lived, deep-rooted perennial. Grows equally on bottom or upland. Pasture, 20 to 30 pounds per acre.

Lb. 40c; 10 lbs. \$3.50 postpaid.

**ORCHARD GRASS** (*Dactylis Glomerata*). One of the most valuable of all the cultivated grasses. As a pasture grass it is more productive than any other, and does best under close feeding. Sow 28 pounds per acre.

Lb. 35c; 10 lbs. \$3.00 postpaid.

**RED TOP** (*Agrostis Palustris*). A good perennial grass for permanent lawns and pastures. Does best on moist, marshy land, if not overflow land. Sow seed 14 pounds to the acre. Lawns, 1 pound to 200 square feet.

Lb. 40c; 10 lbs. \$3.50 postpaid.

**ROUGH STALK MEADOW GRASS.** For shady lawns or wood pastures. An excellent grass. Sow 1 pound to 200 square feet for lawns.

Lb. 70c; 10 lbs. \$6.50 postpaid.

**DEDUCT 10% FROM POSTPAID ORDERS OF DIAMOND QUALITY SEEDS AMOUNTING TO \$2.00 OR MORE**

**RYE GRASS, ENGLISH** (*Lolium perenne*). A strong-growing, hardy perennial grass, noted for its nutritive qualities. It is equally valuable for both grazing and hay. Pasture, 30 pounds per acre.  
Lb. 25c; 10 lbs. \$2.00 postpaid.

**RYE GRASS (Pacey's Short Seeded English)**. Sown thickly, it makes a fine lawn very quickly. Used extensively for polo grounds on account of its tough, heavy sod. Sow 1 pound to 200 square feet for lawns.  
Lb. 25c; 10 lbs. \$2.00 postpaid.

**RYE GRASS, ITALIAN** (*Lolium Italicum*). Very desirable for temporary meadows or pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and bears an abundance of foliage. Pasture, 30 pounds per acre.  
Lb. 25c; 10 lbs. \$2.00 postpaid.

**RYE GRASS, OREGON**. The finest rye grass grown, far superior to imported. Pasture, 30 pounds per acre.  
Lb. 20c; 10 lbs. \$1.50 postpaid.

**TIMOTHY** (*Phleum pratense*). This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall. Pasture, 8 to 12 pounds per acre.  
Lb. 20c; 10 lbs. \$1.75 postpaid.

## CLOVERS

Postage prices are to fourth zone only. Add extra postage if beyond. Clover prices subject to market changes.

**LADINO WHITE CLOVER**. Is a very large form of clover, usually making a growth of 8 to 12 inches. A perennial. The stems lie flat on the ground and commonly root at the joints. Can be grown on rather shallow land where well supplied with humus and moisture. Makes especially vigorous growth on the lower, medium heavy types of soils in Western Oregon, under irrigation or natural moisture during growing season. Grown for hay, pasture and seed. Will carry twice as much stock per acre as blue grass. Sow 4 to 6 pounds per acre.

Lb. \$1.00; 10 lbs. \$9.50 postpaid.

**YELLOW SWEET CLOVER, BIENNIAL** (*Melilotus Officinalis*). In great demand on account of its earliness, being about two weeks earlier than the white. Does not grow as tall as white, but makes just as good pasture. Produces high quality hay.

Lb. 25c; 10 lbs. \$2.00 postpaid. Write for quantity prices.

**YELLOW SWEET CLOVER, ANNUAL** (*Melilotus Indica*). Now recognized as the legume best adapted for green manuring in orchards because it may be planted later in the fall after all crops have been harvested, and will grow all winter with only the season's rainfall.

Lb. 25c; 10 lbs. \$2.00 postpaid. Write for quantity prices.

**WHITE SWEET or BOKHARA CLOVER, BIENNIAL** (*Melilotus Alba*). Excellent for pasture, hay and a soil improver. More drought resistant than alfalfa and will generally produce a large crop of seed and hay the second year. Thrives best on alkali soil.

Lb. 25c; 10 lbs. \$2.00 postpaid. Write for quantity prices.

**HUBAM SWEET CLOVER, ANNUAL**. An annual white blossom sweet clover, very similar to *Melilotus Alba*. Rapid growing. Makes an ideal crop for turning under or soiling in orchards. Good stock pasture. Seed 20 pounds per acre.

Lb. 50c; 10 lbs. \$4.50 postpaid. Write for quantity prices.

**CRIMSON or SCARLET CLOVER** (*Trifolium Incarnatum*). Highly recommended for pasture and fertilizing purposes. A thrifty annual. Germinates quickly, grows rapidly, stools abundantly.

Lb. 30c; 10 lbs. \$2.50 postpaid. Write for quantity prices.

**MAMMOTH RED CLOVER**. Grows very large and is used almost exclusively for plowing under for manure.

Lb. 40c; 10 lbs. \$3.50 postpaid. Write for quantity prices.

**RED CLOVER** (*Trifolium Pratense*). The standard clover for all purposes. Hardy. Succeeds well on any good soil. Makes superior hay.

Lb. 35c; 10 lbs. \$3.00 postpaid. Write for quantity prices.

**ALSIKE or SWEDISH CLOVER** (*Trifolium Hybridum*). A perfectly hardy perennial. Excellent for hay and pasture. Resists both drought and excessive moisture.

Lb. 35c; 10 lbs. \$3.00 postpaid. Write for quantity prices.

**WHITE DUTCH CLOVER** (*Trifolium Repens*). Superior for pasture. Makes a beautiful lawn when mixed with blue grass.

Diamond Fancy, lb. 65c; 10 lbs. \$6.00 postpaid.

## PASTURE MIXTURES OF GRASS

Write for prices on special pasture mixtures. Postpaid prices are to fourth zone only. Beyond that, include additional postage.

**No. 16—LOWLAND PASTURE MIXTURE**. This mixture is for continuous pasture on low, moist ground.  
10 lbs. \$2.00 postpaid.

**No. 17—UPLAND PASTURE MIXTURE**. A mixture of grasses well known for their drought resistance and deep rooting qualities.  
10 lbs. \$2.00. Write for 100 lb. prices.

**MIXTURE FOR BURNED-OVER LAND**. A blend of grasses for sowing on burns and logged-off lands. Splendid value and very economical for such purposes.  
10 lbs. \$1.75 postpaid. Write for 100 lb. prices.

## ALFALFA SEED

**DRY LAND ALFALFA**. Recommended for the high, dry lands.

10 lbs. \$3.00 postpaid. Write for quantity prices.

**ALFALFA, DIAMOND FANCY**. Does exceptionally well where growing conditions are normal, including irrigated lands.

10 lbs. \$3.00 postpaid. Write for quantity prices.

**GRIMM ALFALFA (Certified)**. The hardest alfalfa known. Its value has been demonstrated beyond question.  
10 lbs. \$5.00 postpaid. Write for quantity prices.

## BARLEY

**SUCCESS BEARDLESS BARLEY**. Straw about height of common barley. Stands up better than other varieties. Contains no beard. Write for prices.

**TREBI BARLEY**. A blue, six-row barley, suited to short growing seasons. Write for prices.

**O. A. C. No. 7 BARLEY**. A white, six-row winter barley. Write for prices.

**WHITE HULLESS or BALD BARLEY (Beardless)**. An early spring variety. When threshed is hulless like wheat. Write for prices.

**COMMON BARLEY**. A white, six-row, bearded variety. Write for prices.

**HANNCHEN BARLEY**. Heavy yielding, medium early, white, two-row, bearded type. Write for prices.

## BUCKWHEAT

**SILVER HULL**. Light gray color, thin husk, matures early. Heavy yielder.

10 lbs. \$1.15 postpaid. Write for quantity prices.

**JAPANESE**. Grains large, dark brown, very thin hull. Matures early. Yields heavy.

10 lbs. \$1.15 postpaid. Write for quantity prices.

## MILLETS

**JAPANESE BARNYARD MILLET**. This millet is exceedingly palatable and is the best of summer green feeds for the cool coast sections.

10 lbs. \$1.50 postpaid. Write for quantity prices.

Other varieties of Millets we can supply:

**GERMAN or GOLDEN**.

**BROOM CORN**.

**EARLY FORTUNE**.

**NEW SIBERIAN**.

**WHITE WONDER**.

10 lbs. \$1.50 postpaid. Write for quantity prices.

## SEED OATS

**ECLIPSE SIDE OATS.** Medium late. Heads large, well filled, kernels plump and heavy. Write for prices.

**CLIMAX TREE OATS.** Medium early, producing large, white kernels, rather thin hulls. Write for prices.

**WHITE SEED OATS.** Selected, recleaned stock. Write for prices.

**WHITE SIDE OATS.** Selected, recleaned stock. Write for prices.

**SWEDISH RED OATS.** Tree oat. Soft hull. Fine strain. Ideal for hay. Write for prices.

**GRAY WINTER OATS.** Used as fall or winter. May be sown in the spring for hay in coast sections. Write for prices.

## SORGHUMS

**SUDAN GRASS.** An excellent drouth resisting forage plant. All stock relish it.

10 lbs. \$1.65 postpaid. Write for quantity prices.

Other non-saccharine varieties of Sorghums we can supply:

**BROOM CORN.**

**MILO MAIZE.**

**FETERITA.**

**KAFFIR CORN.**

10 lbs. \$1.25 postpaid. Write for quantity prices.

## SEED RYE

**SPRING RYE (Bearded).** Choice, recleaned seed. Write for prices.

**ROSEN RYE.** A fall or winter rye. Each head has 4 rows of grain. Grains are larger than common rye. Write for prices.

**COMMON WINTER RYE.** Choice, recleaned seed. Write for prices.

## RAPE

**DWARF ESSEX RAPE.** One of the best forage plants, producing immense quantities of green feed when grass and other crops are dried up. Excellent pasture for all stock.

10 lbs. \$1.40 postpaid.



Dated fresh each year. The original soil inoculator

**BENEFITS OF INOCULATION.** All legumes form a partnership at the roots with certain kinds of helpful bacteria called Legume Germs that are able to pump or draw nitrogen from the air and give it to the plant. They form on the roots in colonies looking like lumps, called nodules, which are really nitrogen storehouses. Without these germs, legumes would rob the soil for nourishment and have a sickly growth, for few soils contain a natural supply. It is therefore necessary to "inoculate", apply these nitrogen-gathering germs directly to the seed. All agricultural authorities advise this.

You cannot afford NOT to inoculate.

**Garden Size—For Peas, Sweet Peas and Beans (3 in 1)** 25c, postage extra.

**Prices—Peas, Vetch, Beans, Austrian Winter Peas:**  $\frac{1}{2}$  bu. 40c; 1 bu. 60c; \* $\frac{1}{2}$ /3 bu. 90c;  $\frac{3}{4}$  bu. \$1.80; 5 bu. \$2.50.

\*Also called "100 lb. size".



## ALFALFA, ALL CLOVER

Important. Be sure to state variety of seed for which you want Nitragin.

$\frac{1}{4}$  bu. size, inoculates 15 lbs. seed, 40c;  $\frac{1}{2}$  bu. size, inoculates 30 lbs. seed, 60c;  $\frac{1}{2}$  bu. size, inoculates 30 lbs. seed, 60c; 1 bu. size, inoculates 60 lbs. seed, \$1.00; 5 bu. size, inoculates 300 lbs. seed, \$4.75 f. o. b. Portland; postage extra.

## VETCH

**HUNGARIAN.** Finer stemmed and leafier than most forage vetches. Suitable to various types of soils. Produces excellent hay and seed crops. Very resistant to aphid attacks. Write for prices.

**PURPLE (Vicia Atropurpurea).** Used as cover crop in orchards. Can also be used as a hay or silage crop. Write for prices.

**AUSTRIAN WINTER FIELD PEAS.** A popular variety for forage, either hay or silage. Excellent cover crop. Write for prices.

**FIELD PEAS.** May be sown alone or with grain. Produces excellent feed. Very valuable for plowing under. We can supply the Canadian or the Blue Bell varieties. Write for prices.

**COMMON VETCH.** Suited to well-drained, rather mellow soils. An excellent hay, green feed, pasture or silage vetch. Write for prices.

**HAIRY VETCH (Vicia Villosa).** Thrives on poor, arid, sandy soils. May be sown in fall or early spring. Write for prices.

**TANGIER PEAS.** Used for silage and soilage purposes. Write for prices.

## SEED WHEAT

**SEED WHEAT.** We have the following varieties of selected, recleaned seed: Jenkins Club, White Winter, White Holland, Blue Stem, Red Russian. Write for prices.

**EVERGREEN CHEAT (Bromus Secalinus).** Does well on low or moist soil. Will stand considerable overflow. Cut for hay before it gets too ripe. Write for prices.

## SUNFLOWER

**MAMMOTH RUSSIAN.** The largest and most productive variety.

1b. 25c; 10 lbs. \$1.65 postpaid. Write for quantity prices.

## SPELT or EMMER

**EMMER.** Thrives well on poor soil. Produces heavy yields of grain and hay. Sow in spring. Write for prices.

Germâco

## Hotkaps

Individual Hothouses for Every Plant



"Hotkaps" furnish each young plant with complete protection from wind, rain, frost and insects. They afford the best crop insurance and bring you more profit.

1M \$11.50; 5M \$11.00 per M; 10M \$10.75 per M; 25M \$10.50 per M.

Steel "Hotkap" Setters.

Each \$2.50. All prices f. o. b. Portland.

Pressboard "Hotkap" Setters.

Each 50c f. o. b. Portland.

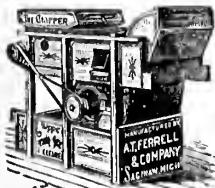
250 Home Package, including setter, \$4.00; 100 Home Package, including setter, \$2.50 f. o. b. Portland.

10% DISCOUNT ON POSTPAID DIAMOND QUALITY SEEDS TO THE VALUE OF \$2.00 OR MORE



Swift's Red Steer Fertilizers have been the standard for many years, and have consistently proven their value in producing profitable yields.

Prices f. o. b. Portland.	100 lbs.	Ton
2/14/4. For corn and other cereals.	\$2.05	\$39.00
3/10/7. Especially for head lettuce.	2.15	40.65
4/7/6. Used extensively for celery, also berries and potatoes on up-land soils .....	2.10	39.70
3/10/10. The best all-purpose fertilizer, for gardens, fruit trees, berries, etc. ....	2.30	43.50
<b>Blood Meal.</b> Contains 13% quickly available nitrogen .....	3.10	60.00
<b>Raw Bone Meal,</b> 2/14/0. A good source of organic nitrogen and phosphorus .....	2.35	45.00
<b>Tankage,</b> 4/8/0. Ground meat and bone scraps .....	2.15	40.75
<b>Superphosphate</b> .....	1.40	26.00
<b>Nitrate of Soda.</b> A good stimulant for early crops.....	3.00	58.00
<b>Sulphate of Ammonia.</b> Quickly available nitrogen; used extensively as a side dressing .....	2.45	47.00
<b>Muriate of Potash.</b> 50% water soluble potash .....	2.75	53.00
<b>Sheep Guano.</b> The best natural manure. Beneficial for mulching or adding humus .....	1.25	20.00
<b>Fish Meal.</b> A good organic fertilizer	2.85	55.00
<b>Land Plaster (Gypsum).</b> Free from foreign matter; used particularly for clover .....	1.00	18.00
<b>Sulphur.</b> Aids in releasing insoluble plant foods in the soil; effective fungicide and insecticide. 3.00		
<b>H. O. Lime.</b> A mixture of raw and hydrated lime; excellent for sour soils and poultry floor covering .....	1.35	23.00
<b>Peat Moss.</b> An excellent mulch or for adding humus .....		Bale 3.00



## CLIPPER GRAIN and SEED CLEANERS

Used by agricultural colleges and experimental stations of the United States Department of Agriculture.

No. 1-B. Capacity 20 bu. or 10 bu. seed per hour.

Price \$45.00.

No. 2-B. Capacity 25 bu. or 15 bu. seed per hour.

Price \$55.00.

We can also supply Clipper Power Cleaners of any capacity for cleaning all kinds of seed or grain. Write for prices.

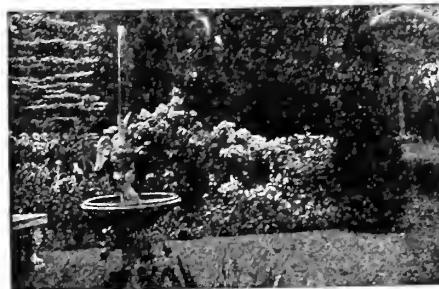
## SPECIAL SEED CLEANING SERVICE

The state law requires that seed must be cleaned before it is offered for sale. We have the most complete seed-cleaning equipment in the state, having over \$60,000 invested in this department of our business for the purpose of being able to furnish our trade with the purest, cleanest seeds possible to secure anywhere, and can handle a wider range of seeds than any place in the Pacific Northwest.

### WE WILL CLEAN YOUR SEED FOR YOU

We are putting all this equipment at the service of our grower friends in this territory and will be pleased to clean your seeds at a nominal charge, providing quantities of each are 100 lbs. or more. Our charge for putting it through the Clipper Cleaner is \$1.00 per 100 lbs. To process (taking buckhorn out of clover), the charge is \$1.50 per 100 lbs.

**DIAMOND QUALITY SEEDS ARE TESTED FOR PURITY AND GERMINATION**



## for Beautiful Lawns and Gardens

Use good seed, bulbs, and plants, and feed them regularly with Vigoro, the complete, balanced plant food. Vigoro contains the right amount of each food element necessary to produce rich-green, velvety lawns; large, colorful flowers; healthy, full-folaged shrubs and trees; and early, delicious vegetables. It

is "the square meal for all plants."

Clean, odorless, economical. Vigoro is easy to use. Just follow the simple directions in each bag or package. Vigoro is used on 3,000,000 homes annually. We recommend that you get enough for everything you grow.

**VIGORO**  
*Complete plant food*

A Product of Swift & Company

"Use Vigoro on Everything You Grow"



## SEMESAN

For Flower and Vegetable Seeds

Applied in dust or liquid form to the seed before planting. One ounce treats 15 lbs. of seed. Effective in controlling damping off and such devastating gladiolus diseases as hard rot and scab. Poison; not mailable.

2 oz. 50c; 1 lb. \$2.75; 5 lbs. \$13.00;  
25 lbs. \$56.25; 100 lbs. \$220.00  
f. o. b. Portland.

## NEW IMPROVED SEMESAN BEL

For Seed White and Sweet Potatoes

Simply mix, dip, drain, dry and your seed potatoes are ready for planting. Used on either whole or cut seed pieces. Effectively controls scab, rhizoctonia and black-leg. One pound treats 70 to 80 bushels of seed. Poison; not mailable.

4 ozs. 50c; 1 lb. \$1.75; 5 lbs. \$8.00; 25 lbs. \$31.25; 100 lbs.  
\$120.00 f. o. b. Portland

## CERESAN

For Seed Treatment of Small Grains

Effective in controlling bunt or stinking smut of wheat; stripe disease of barley; loose and covered smuts of barley and oats and covered kernel smut of sorghum. Only 2 ozs. of Ceresan required per bushel of wheat, rye or sorghum and 3 ozs. for barley and oats. Easy to apply, economical to use. Poison; not mailable.

8 ozs. 50c; 1 lb. 75c; 5 lbs. \$3.00; 25 lbs. \$12.50; 100 lbs.  
\$49.00 f. o. b. Portland.

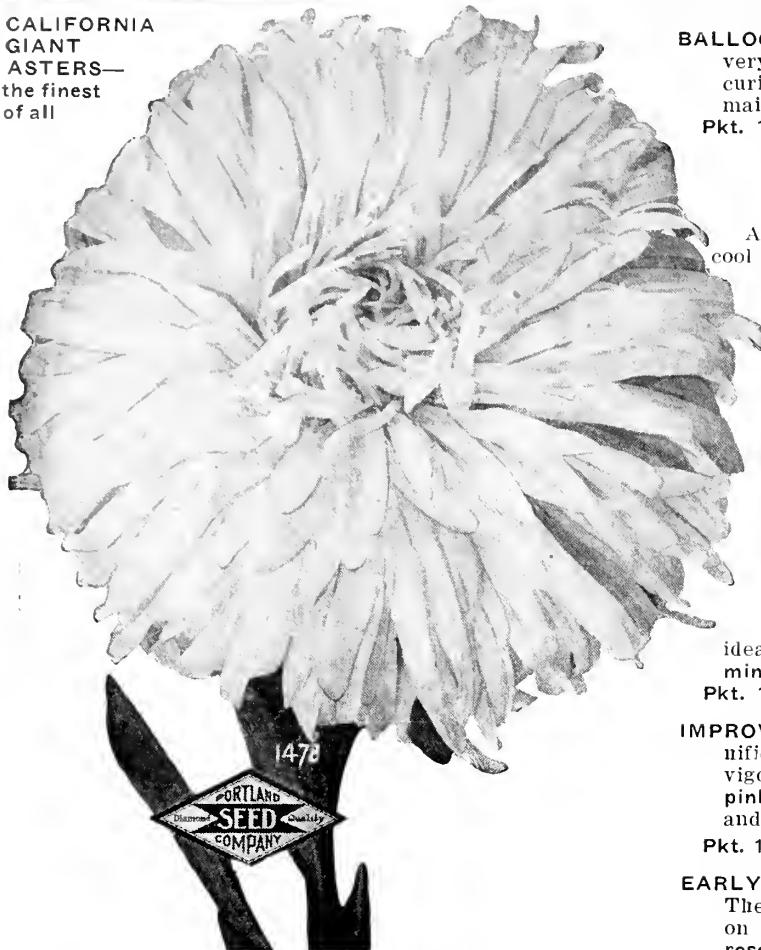
## SEMESAN JR.

For Seed Field and Sweet Corn

Especially effective in controlling infections of Diplodia, Gibberella and Basisporium. Poison; not mailable.

4 ozs. 50c; 1 lb. \$1.75; 5 lbs. \$8.00; 25 lbs. \$13.25; 100 lbs.  
\$120.00 f. o. b. Portland.

CALIFORNIA  
GIANT  
ASTERS—  
the finest  
of all



**AGERATUM.** One of the best summer flowering plants grown. Rapid growing and free blooming makes it especially appreciated during the hot, dry summers.

**Nanum (Blue Perfection).** 9 inch. The darkest Ageratum grown from seed.

Pkt. 10c.

**Album.** White.

Pkt. 10c.

**Little Dorrite.** Blue. 6 inch. Dwarf. Azure blue.

Pkt. 10c.

**ALYSSUM—Benthami Maritimum (Sweet Alyssum).** 10 inch. Flowers white and honey scented. Begins blooming early in season and continues until frost.

Pkt. 10c; oz. 50c.

**Little Gem.** 4 inch. Dense growing plants, completely covered with snow white blossoms.

Pkt. 10c; oz. 50c.

**AMARANTHUS.** Handsome foliage and interesting flowers, making a striking effect in borders and beds. Thrives in hot, sunny situation with rather poor soil. 2 to 5 feet. Sow early and transplant.

**Caudatus (Love Lies Bleeding).** Graceful, drooping flowers.

Pkt. 10c.

**Tri-Color or Joseph's Coat.** Foliage scarlet, yellow and green.

Pkt. 10c.

**ARCTOTIS GRANDIS (African Daisy).** Plants form bushes about 2 feet across with deep cut foliage and daisy-like flowers, often 2½ inches in diameter. Color pale lilac.

Pkt. 10c.

**BEGONIA.** One of the most popular house plants. *Gracilis.* Small, pink flowers in great profusion.

Pkt. 10c.

**BALLOON VINE.** A rapid growing climber. Blossoms very small and white. Light, graceful foliage. Bears curiously inflated seed pods. Sow where it is to remain. Succeeds best in light, warm soil. 10 to 12 feet. Pkt. 10c; oz. 35c.

## ASTERS

Asters grow to their greatest perfection in our mild, cool climate. We offer splendid strains that have been developed by careful attention. For fall flowers they rival the Chrysanthemum in size and beauty.

**CALIFORNIA GIANTS.** They combine the robust habit of growth and length of stem that characterizes the Beauty type and the Crego or Ostrich Feather type of blossom. A true non-lateral variety. **White, peach blossom, light blue, deep rose, dark purple and mixed.**

Pkt. 10c; ¼ oz. 75c; plants, doz. 50c.

**CALIFORNIA GIANT SUNSHINE.** Improved Anemone Type. One of the most attractive Asters. Plants are strong and bushy, with many flower stalks. The large single flowers have centers of twisted and quilled petals of contrasting colors. Their delicate beauty and strong stems and keeping qualities make them ideal for cutting. **White, pink, lavender, violet, carmine and mixture.**

Pkt. 10c.

**IMPROVED CREGO GIANT.** Distinct in every way. Magnificent flowers of rare beauty, form and color. Very vigorous, long stems and free flowering. **White, shell pink, deep rose, crimson, orchid, azure blue, purple and mixture.**

Pkt. 10c; ¼ oz. 50c; plants, doz. 50c.

**EARLY WONDER (Express).** The best extra early variety. The flowers are of good size, quite double and borne on good, stiff stems. **Crimson, dark blue, light blue, rose, white and mixed.**

Pkt. 10c.

**ASTER MUM.** Greatly resembles the Chrysanthemum. Plants vigorous with good stems. Earlier than Crego Giant. **White, rose, lavender and mixture.**

Pkt. 10c; ¼ oz. 50c.

**HEART OF FRANCE.** The best red Aster to be had. Produces an abundance of large flowers on good stems. Plants of vigorous branching habit.

Pkt. 10c; ¼ oz. 50c.

**AMERICAN GIANT BRANCHING.** Beautiful Aster for cutting. The branching habit is accompanied by vigorous growth and profusion of blooms. Flowers are double, large and produced on long, stiff stems. **White, yellow, rose, crimson, purple and mixture.**

Pkt. 10c.

**QUEEN OF THE MARKET.** The best early Aster. In bloom fully two weeks before most other varieties begin to blossom. **White, light blue, deep rose, scarlet, purple, peach blossom and mixture.**

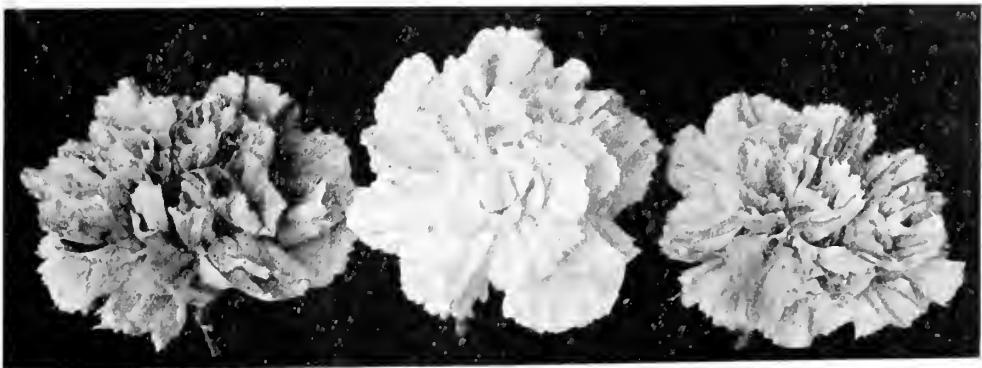
Pkt. 10c; ¼ oz. 25.

**CREGO GIANT.** Distinct in every way. Magnificent flowers of rare beauty of form and brilliant coloring. Very vigorous and free flowering. **White, orchid, azure blue, crimson, deep rose, purple, shell pink, lavender, rose and mixture.**

Pkt. 10c.



AGERATUM



**BALSAM** (Lady Slipper). Handsome plants, producing masses of various colored flowers, half hardy. Curious seed pods which, when ripe, will explode when touched. If sown in May should bloom from July until frost. 1 to 1½ feet tall.

**Double Camelia Flowered.** Mixed. Pkt. 10c; ¼ oz. 30c.

**BRACHCYCOME** (Swan River Daisy). Dwarf growing, free flowering annuals, producing a profusion of pretty blue or white flowers. Ideal for borders. Mixed seed. Pkt. 10c.

**BROWALLIA** (Amethyst). A favorite free flowering annual covered during summer and fall with beautiful blue and white flowers. Mixed seeds.

Pkt. 10c.

**CALENDULA** (Pot Marigold).

**Radio.** This novel development of form in Calendulas has been received with much favor. The flowers are globular in shape with bristling quilled petals which add materially to the grace of the blossoms. Their color is a deep rich orange.

Pkt. 10c.

**Ball's Gold.** Mammoth, double flowers of improved type. Deep golden yellow.

Pkt. 10c.

**Ball's Orange.** Double orange type of the above. Nice for cutting.

Pkt. 10c.

**Double Mixed—Pkt. 10c; oz. 20c; plants, doz. 50c.**

**CALLIOPSIS.** Always covered with a mass of bright flowers, yellow, crimson and maroon. Sow where plants are to remain. In sunny situations they will bloom all summer. Fine for cut flowers. 1 to 2 feet tall.

**Tall, Single Mixed.** Pkt. 10c; oz. 35c.

**Tall, Double Mixed.** Pkt. 10c; oz. 40c.

**CANDYTUFT** (*Iberis*). One of the most highly prized annuals for beds and masses. For early blooms sow indoors, transplanting to garden when 2 to 3 inches high.

**Coronaria.** Giant white hyacinth flowered.

Pkt. 10c.

**Umbellata Type.** Mixed.

Pkt. 10c; oz. 65c; plants, doz. 50c.

**CANARY BIRD VINE.** Rapid growing annual climber, the yellow blossoms bearing a resemblance to a bird with its wings half extended.

Pkt. 10c.

**CARDINAL CLIMBER.** Considered the most beautiful and brilliant annual climber. A strong and rapid grower, with fern-like foliage literally covered with a blaze of circular cardinal red flowers from midsummer until frost.

Pkt. 10c.

**CARNATION** (*Dianthus Caryophyllus*). Carnations are tender perennials, being easily winter killed and therefore listed with the annuals. Splendid for cut flowers. Delicately fragrant. Colors pink, white, red. Sow indoors in March. Transplant to other boxes when 1 inch high. Keep them growing until soil is warm, then transfer to open garden. Height 1 to 1½ feet.

**Chabaud Everblooming.** Extra choice, double mixed. Flower in 5 to 6 months.

Pkt. 10c.

**Margaret.** Finest double mixed. Bloom in 4 months from seeding.

Pkt. 10c; ½ oz. 50c.

**Carnation American Hybrids.** Large flowering type used by florists.

Pkt. 25c; plants, doz. \$1.15. (Also see Plants in index.)

**CASTOR BEAN** (*Ricinus*). Tropical appearing foliage plant. Highly ornamental, of stately growth, large leaves of bronze or glossy green. Should not be planted until soil is warm. Grows 3 to 5 feet.

**Best Varieties Mixed.**

Pkt. 10c; oz. 25c.

**CHRYSANTHEMUM.** Effective and desirable as summer flowering plants. Hardy annuals. Sow seeds in flats very early in spring and transplant to garden when soil is warm. Grows 1 to 2 feet.

**Coronarium.** Double, finest mixed.

Pkt. 10c; oz. 40c.

**CINERARIA** (Biennial). Magnificent and indispensable flowering plants for the window gardens. White, blue, violet, crimson shades, covering the plant with a sheet of bloom. Should be sown under glass in fine soil.

**Hybrida Grandiflora.** Choicest mixed.

Pkt. 50c.

**Hybrida Grandiflora.** Semi-dwarf, florists' strain. Choice mixed.

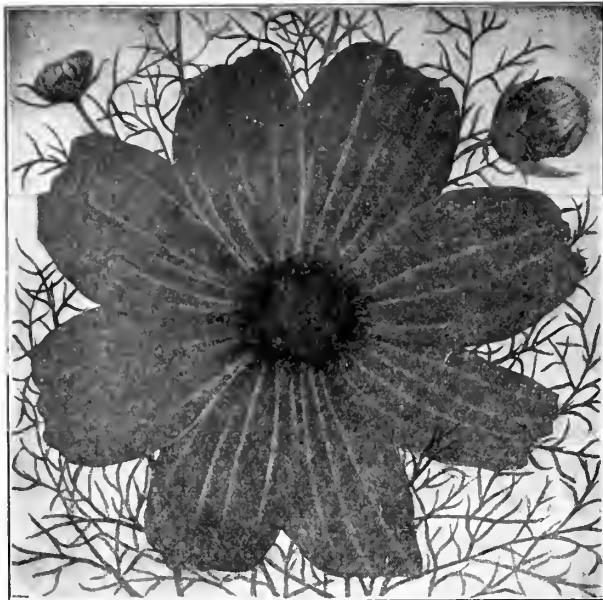
Pkt. 50c.

**Hybrida.** Fine mixed.

Pkt. 25c.



CALENDULA



COSMOS

**CLARKIA.** Hardy annual of easy growth. Produces fine effect massed in beds. Bright and attractive. Fine for cutting. Does well in shade. Sow early in open ground. Grows 1 to 2 feet tall.

**Scarlet Queen.**

Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

**Salmon Queen.**

Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

**Fine Mixed.**

Pkt. 10c;  $\frac{1}{4}$  oz. 30c; plants, doz. 50c.

**CYPRESS VINE (Ipomoea Quamoclit).** A climber of rapid growth. Delicate, fern-like foliage and great numbers of star-shaped blossoms with long tubes. Does best in warm, sunny location. Grows 10 to 15 feet. Scarlet or mixed.

Pkt. 10c; oz. 75c.

**COSMOS.** Beautiful plants, furnishing an abundance of cut blooms. Seed sown in the open ground in April should produce plants covered with blooms in July. Transplant not less than 18 inches apart in rows or in masses in beds. Pinching out tops when plants are a foot high makes them bushy and sturdy.

**Extra Early Mammoth Flowering. Pink.**

Pkt. 10c; oz. 65c postpaid.

**Finest Mixed.**

Pkt. 10c; oz. 60c; plants, doz. 50c postpaid.

**Extra Early, Double Crested or Anemone Flowered.** The newest thing in Cosmos. Mixed.

Pkt. 10c postpaid.

**Klondyke.** Blooms very early and continuously. 3 to 4 feet high. Large, orange flowers on long stems.

Pkt. 10c;  $\frac{1}{4}$  oz. 75c postpaid.

**DAHLIA.** Sow seeds in boxes indoors very early, transplanting to open when danger from frost is past. Will bloom first season. Tubers of the best ones may be saved for the following season.

**Double Mixed.** Pkt. 10c;  $\frac{1}{8}$  oz. 50c.

Pkt. 10c;  $\frac{1}{8}$  oz. 50c.

**Single Mixed.** Pkt. 10c;  $\frac{1}{8}$  oz. 40c.

Pkt. 10c;  $\frac{1}{8}$  oz. 40c.

**CUT FLOWER MIXTURE**

This consists of a specially put up mixture of hardy annuals blended to give a continuous succession of cut flowers from early summer until late fall. For two seasons we have sold great quantities of these packets and they have evidently proved very desirable. Try one for your "surprise garden". Put up in ounce packets.

Pkt. 25c.

**DAISY—Orange African (Dimorphotheca Aurantiaca).** Extremely showy annual with bushy plants 12 to 15 inches high. Flowers are  $2\frac{1}{2}$  inches across, rich orange gold, with dark disc and halo. A magnificent sight in bloom.

Pkt. 10c; oz. 50c.

**DELPHINUM—Wrexham Strain Hybrids (Perennial).** The original strains from the north of Wales. Carefully developed and the rarest and best varieties selected for this climate. The range of colors runs to the most delicate combinations of mauve and light blue, Crater Lake blue, heliotrope, pinkish-lavender, deep blues and purples.

Seeds, mixed, pkt. 10c.

**EVENING PRIMROSE (Oenothera Lamarckiana).** For exposed positions, in border or on rockery. A constant bloomer all summer. Shades of yellow. Sow seeds early in boxes, covering very lightly with fine soil firmly pressed down. Transplant seedlings.

Pkt. 10c; oz. 75c.

**FOUR O'CLOCK (Mirabilis Jalapa).** Marvel of Peru. Easy culture, bearing a profusion of bright flowers of various shades. Flowers open at four o'clock, close in morning. Sow seeds early in the open and transplant. 2 to 3 feet high.

Choice Mixed, pkt. 10c; oz. 25c.

**GAILLARDIA (Blanket Flower).** Very showy garden plant, with brilliant flowers. Free blooming from early summer until autumn. Especially effective in masses. Sow early where plants are to bloom. Colors crimson and orange. Splendid cut flowers. Half hardy annual.

*Picta Lorenziana.* Double. Finest mixed. Annual.

Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

*Picta, Single.* Fine mixed.

Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

**GERBERA (Transvaal Daisy).** These are beautiful, daisy-like plants, slender and graceful, well-known greenhouse subjects that are largely used for conservatory decoration, but capable of being grown outdoors if the protection of a cold frame is given the plants during the winter months. We offer a splendid mixture of hybrids of this beautiful flower, shades ranging through red, cerise, salmon, orange, yellow and white.

Pkt. 25c.



DAHLIA



GERANIUM

**GERANIUM.** Easily and quickly grown from seed. Sow thinly in boxes indoors, covering with glass until seedlings appear. When about 1 inch high, transplant to small pots in rather poor soil, firmly pressed down. Can later be re-potted or transferred to open garden.

**Zonale.** Extra choice, single mixed. The well-known bedding geranium.

Pkt. 15c;  $\frac{1}{8}$  oz. 95c.

**Lady Washington (Pelargonium).** Foliage green, flowers large. Finest mixed.

Pkt. 25c. (For Geranium Plants see index.)

**GODETIA.** Bushy growth, profuse, constant bloomers. Colors rose, crimson, white and pink. Sow indoors in boxes and transplant. Succeeds in poor soil. Height 1 foot.

**Dwarf.** Fine mixed.

Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

**GORDS.** Good climbers. For covering verandas and trellis work. Rapid growth, bearing fruits of curious shapes. Plant after soil is warm. 10 to 12 feet.

**Mixed Varieties.**

Pkt. 10c; oz. 35c.

**GYPSOPHILA.** Easily raised from seed. Grows 18 to 24 inches, bearing beautiful, star-shaped flowers in great profusion. First sowings in flats very early and transplant, later sowings in open ground.

**Grandiflora Alba.** White. True. Convent Garden strain.

Pkt. 10c; oz. 30c.

**Grandiflora Rosea.** Pink form of the above. Very desirable.

Pkt. 10c.

**HELICHRYSUM—Monstrosum (Straw Flower).** Everlasting. One of the best for winter bouquets. Hardy annual. Red, yellow and white. Sow in open and transplant or thin to 12 inches.

**Golden Ball.** Scarlet, violet queen. Double, mixed.

Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

**HOLLYHOCKS—Hybrida Semperflorens (New Annual).** This splendid variety will bloom in August, from spring planting, continuing until frost. A great advantage, as other varieties do not bloom until the second year.

**Finest Semi-Double, Mixed.**

Pkt. 10c.

**Finest Single, Mixed.**

Pkt. 10c;  $\frac{1}{4}$  oz. 30c.

**HUNNEMANNIA (Giant Yellow Tulip Poppy or Bush Eschscholtzia).** Best of the poppy family for cutting. Seed sown early in May will, by the middle of July, produce plants covered with their large, buttercup yellow, poppy-like blossoms, and never out of flower until a hard frost. Height 2 to 3 feet.

Pkt. 10c; oz. 75c.

**HYACINTH BEAN (Dolichos Lablab).** Rapid growing, ornamental, climbing annual, bearing clusters of beautiful purple and white flowers, followed by ornamental seed pods. Sow early where vine is to remain. Mixed.

Pkt. 10c; oz. 15c.

**ICE PLANT (Mesembrianthemum Crystalinum).** Pretty summer trailing annual for vases and rock work. Leaves covered with ice-like drops. Sow seeds early in boxes. Height 6 to 12 inches.

Pkt. 10c; oz. 75c.

**KOCHIA CHILDSII (Summer Cypress).** Forms symmetrical decorative bushes. Foliage green, turning fiery red in autumn. Sow in open and thin to 15 inches. Valuable for summer hedges. 1 to 2 feet.

Pkt. 10c; oz. 35c postpaid; plants, each 20c, doz. \$1.75.

**LARKSPUR.** The annuals are quite hardy and bloom in late summer months, furnishing flowers of striking beauty in form and color.

**Exquisite Improved.** Tall, double. A delightful pink.

**Rose Carmine.** Tall, double. A rich, novel color. Very desirable.

**Tall, Double, Stock Flowered.** Carmine, dark blue, light blue, rose, white or mixed.

Pkt. 10c; plants, doz. 50c.

**LINUM—Grandiflorum Rubrum (Scarlet Flax).** One of the most showy bedding plants. Fine foliage, scarlet-crimson flowers.

Pkt. 10c; oz. 45c postpaid.

**LUPINUS—Hartwegi.** Annual variety. Mixed.

Pkt. 10c; oz. 35c.

**LOBELIA.** Delicate, low-growing annual plants of the greatest value for borders, rock work and hanging baskets. Sow very thinly in boxes, covering with glass until seedlings are through soil. Height 6 to 8 inches. inches.

**Crystal Palace Compacta.** Dwarf flowers, rich, bright blue. Finest for bedding and edging.

Pkt. 10c;  $\frac{1}{4}$  oz. 90c postpaid; plants, doz. 50c.

**Gracilis.** Blue, trailing. Beautiful for baskets.

Pkt. 10c;  $\frac{1}{4}$  oz. 40c postpaid; plants, doz. 50c.

**Pumila Rosea.** Dwarf, pink variety.

Pkt. 10c.

**Sapphire.** Deep blue with white eye. Trailing.

Pkt. 10c;  $\frac{1}{4}$  oz. \$1.50.

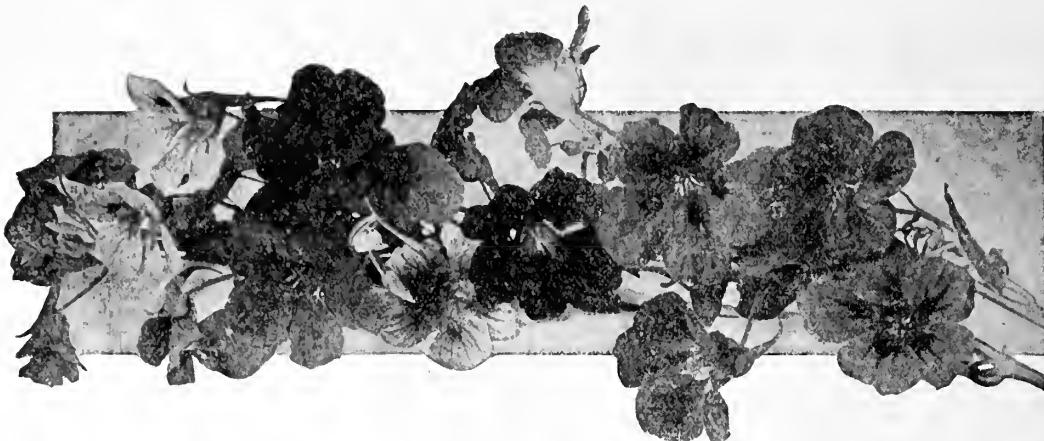
**MIGNONETTE (Reseda).** A quick-growing, fragrant annual. Produces the largest and finest spikes of blossoms during cool, moist weather of early spring and late fall months, but will flower freely throughout the summer from seed sown early in spring.

**Odorata Grandiflora.** Large, fragrant flowers.

Pkt. 10c; oz. 25c.



HOLLYHOCK



**MARIGOLD (Tagetes).** A hardy plant in dwarf and tall varieties. Foliage bright green and deeply cut. Flowers are various shades of yellow and brown. Sow seeds early in flats and transplant to garden when 3 to 4 inches tall.

**African Orange Ball.** Double.  
Pkt. 10c.

**African Lemon Ball.** Double.  
Pkt. 10c.

**African Mixed.** Tall or dwarf, double type.  
Pkt. 10c;  $\frac{1}{4}$  oz. 35c postpaid; plants, doz. 50c postpaid.

**French.** Dwarf or tall, double, mixed.

Pkt. 10c; oz. 65c; plants, doz. 50c postpaid.

**Tall, Double Striped.** Mixed.  
Pkt. 10c.

**Golden Ball.** New dwarf. French double, compact  
Pkt. 10c; oz. 65c.

**Josephine.** Tall, single bi-color.  
Pkt. 10c.

**Little Brownies (Legion d'Honneur).** Dwarf double.  
Pkt. 10c; oz. 65c.

**Signata Pumila.** Very dwarf, bright orange. Fine for border or rockery.  
Pkt. 10c.

**MORNING GLORY.** Rapid growing climbers of easy cultivation, attaining a height of 10 to 12 feet. The dwarf varieties flower very freely and do not require support. Plant early where it is to remain.

**Convolvulus Major.** Tall, choice single, mixed all colors.  
Pkt. 10c; oz. 15c.

**Double Mixed.** Tall. Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

**Imperial Japanese Fringed.** Very large, fringed flowers in a variety of exquisite colorings; variegated foliage.  
Pkt. 10c;  $\frac{1}{2}$  oz. 40c.

**MOON FLOWER (Ipomoea Mexicana Grandiflora).** Rapid growing climber belonging to the "Morning Glory" family. At night and on cloudy days vine is covered with fragrant white flowers 4 to 5 inches in diameter.  
Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

**NASTURTIUMS.** Hardy annuals of easy culture, blooming in uninterrupted splendor from early summer to frost.  
Mixture Tall Varieties, pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 50c.  
Mixture Dwarf Varieties, pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

**DOUBLE NASTURTIUM (Golden Gleam).** A new 1932 novelty. Rich golden yellow, sweet scented, semi-trailing habit. Produces an abundance of large, double flowers on stiff stems 6 inches in length.  
Pkt. 25c.

**NICOTIANA.** A showy plant, producing star-shaped flowers of delicious perfume. Taken up in the fall, cut back and potted, will bloom freely all winter. Half hardy annual. 3 feet high. Sow seeds in boxes indoors or in a sheltered situation in the open. For the best results give plenty of room, rich soil and sunlight. Mixed.  
Pkt. 10c; oz. 75c.

**PETUNIA (Hybrida).** During the whole season it is covered with large, showy blossoms, always bright and fresh. An infinite variety of colors, markings and forms, large

and small, fringed and plain, double and single. Hardy annual. Sow seeds very thinly indoors under glass. Care should be taken to save the weaker seedlings, as they produce the finest flowers. Transplant to garden when soil is warm.

**LARGE FLOWERING SINGLE PETUNIAS—Giants of California.** Choicest ruffled, mixed (large throat).

Pkt. 25c; plants, doz. 85c.

**Dwarf Giants of California.** Compact form of the above. Excellent for potting or border planting.

Pkt. 25c; plants, each 25c.

**Elks' Pride.** Deep purple, very large flowers.

Pkt. 35c postpaid; plants, potted, each 25c; doz. \$2.25.

**City of Portland.** Finest shade of pink. Flowers large and ruffled.

Pkt. 35c postpaid; plants, potted, each 25c; doz. \$2.25.

**General Dodds.** Blood red, supplying an abundance of bright color.

Pkt. 25c.

**Single Choicest Mixed,** pkt. 10c; plants, doz. 85c.

**LARGE FLOWERING DOUBLE PETUNIAS.**

Double Choicest Mixed, pkt. 35c.

Double Fringed Mixed, pkt. 50c.

**SINGLE BEDDING PETUNIAS.**

**Balcony Blue.** A splendid, free flowering type for bedding, vases, window boxes, hanging baskets, etc.

**Balcony Rose.** Brilliant rose pink. Very effective.

**Balcony White.** Pure white form.

Pkt. 10c. One packet each of the above Balcony Petunias for 25c.

**Rose of Heaven.** Dwarf, rich rose-pink. Most exquisite shade in petunias.

Pkt. 10c;  $\frac{1}{8}$  oz. 60c.

**Rosy Morn.** Pink, white throat. Fine for bedding.

Pkt. 10c;  $\frac{1}{8}$  oz. 60c; plants, each 25c; doz. \$2.25 postpaid.



DOUBLE PETUNIA



## PANSY SEED

For years local experts have grown our Giant Pansies and co-operated in securing the finest strains from the world's most celebrated growers.

**Adonis.** A beautiful shade of light blue with white center and dark blotch.

Pkt. 10c.

**Cornflower Blue.** Dainty blue. Large, good substance.  
Pkt. 10c.

**Giant Dark Blue.** A splendid blue-black. Very elegant.  
Pkt. 10c.

**Giant Striped.** A superior strain of truly giant Pansies, with the most beautiful striped markings in dark shades.  
Pkt. 10c.

**Golden Queen.** A rich, pure yellow of the grandest form and size.  
Pkt. 10c.

**King of the Blacks (Giant).** Immense velvety flowers of the finest quality. The largest and best black Pansy.  
Pkt. 10c.

**Madame Perret.** A beautiful and distinct type with edges of petals frilled, bordered white. Colors are dark wine, pink and red, beautifully veined. The earliest of the giants. Has the sweetest perfume.  
Pkt. 10c.

**Snow Flake.** Pure white. Of extra fine quality.  
Pkt. 10c.

**Violet Blue.** A new giant variety. Brilliant dark indigo blue with violet luster, edges slightly ruffled.  
Pkt. 10c.

**Masterpiece (Giant Ruffled).** The mammoth size, richness and beauty of colorings and frilled or ruffled character of the petals make Masterpiece one of the most distinctive and interesting Pansies.  
Pkt. 10c.

**One packet each of above named varieties, 10 in all, for 75c.**

**TRIMARDEAU PANSIES.** Remarkably large size. Robust grower. Excellent colors.  
Pkt. 10c;  $\frac{1}{4}$  oz. 85c; oz. \$3.00.

## Oregon Giant Pansies Mixed

**SEEDS AND PLANTS.** A selection of the finest strains and named varieties from American and foreign growers, grown separately and carefully blended. This seed is gathered by hand from selected plants grown here in Oregon and will produce plants and flowers of unsurpassed quality.

Seeds, pkt. 10c;  $\frac{1}{4}$  oz. \$1.25; oz. \$4.50.

Plants. In full bloom, in season from March to June, put up 1 dozen in a package; shipping weight, 4 lbs. Doz. \$1.00 postpaid.

**PHLOX DRUMMONDI.** Annual. Unrivaled for richness and beauty of color, ranging from white to the deepest scarlet and purple. For cutting, for bouquets or for bedding in masses they are unsurpassed. Hardy annual. 1 foot high. Sow as soon as soil is warm. Transplant about 1 foot apart.

**Large Flowering.** Crimson, white or mixed.  
Pkt. 10c;  $\frac{1}{8}$  oz. 50c; plants, mixed, doz. 50c.

**Chamois Rose.**  
Pkt. 10c;  $\frac{1}{4}$  oz. 75c.

**Isabellina.** Pale yellow.  
Pkt. 10c;  $\frac{1}{4}$  oz. 75c.

**Star Phlox (Cuspidata).** Flowers have a distinctive, star-like appearance, with white margins. Excellent for bouquets.

Pkt. 10c;  $\frac{1}{4}$  oz. 75c postpaid; plants, doz. 50c.



**PINKS (Chinensis Type).**

Single Mixed, pkt. 10c;  $\frac{1}{4}$  oz. 25c postpaid.  
Double Mixed, pkt. 10c;  $\frac{1}{4}$  oz. 35c postpaid.

**PINKS (Hedgewigii Type).**

Finest Single Mixed, pkt. 10c; oz. 75c.  
Fireball. Double scarlet. Pkt. 10c;  $\frac{1}{4}$  oz. 60c.  
Salmon King. Double. Pkt. 10c;  $\frac{1}{4}$  oz. 65c.  
Snowball. Double white. Pkt. 10c;  $\frac{1}{4}$  oz. 65c.  
Finest Double Mixed, pkt. 10c;  $\frac{1}{4}$  oz. 30c.

**PORTULACA (Rose Moss).** Brilliant dwarf annuals, only 6 inches high, blooming profusely in early summer to autumn. Colors range red, yellow, pink, white, striped, etc. Sow seeds indoors. Thrive best in hot and dry situation.

Single Mixed, pkt. 10c;  $\frac{1}{4}$  oz. 45c.  
Double Mixed, pkt. 10c;  $\frac{1}{8}$  oz. 75c.

## POPPIES

Magnificent, showy flowers borne separately on tall stalks in many bright and charming colors. Sow seeds very early where they are to remain. Barely cover seed with fine soil and press down firmly. Thin to 1 foot. If cut before fully open, blossoms will last several days.

**CARNATION FLOWERED (Tall Double).**

Finest Mixed, pkt. each 10c; oz. 40c postpaid.

**King Edward.** Single, large flowers, produced with great profusion. Deep scarlet, shaded crimson, with large, black blotch. Height  $2\frac{1}{2}$  feet.

Pkt. 10c;  $\frac{1}{4}$  oz. 25c postpaid.

**Glaucum (Tulip Poppy).** Brilliant scarlet flowers, 3 inches across.

Pkt. 10c; oz. 75c postpaid.

**CALIFORNIA (Eschscholtzia).** Commence to bloom within a few weeks' time from spring-sown seed and flower profusely until late autumn. Bushy plants, 1 to  $1\frac{1}{2}$  feet.

**Aurantiaca.** Rich orange, true California poppy.

Pkt. 10c; oz. 35c postpaid.

**Hybrida Mixture.** New, large flowering type. New colors, including soft pink, scarlet, chrome, copper-red, claret and royal purple.

Pkt. 10c;  $\frac{1}{2}$  oz. 50c postpaid.

**FLANDERS POPPY.** Native of Flanders fields. Bright, satiny scarlet.

Pkt. 10c.

**SHIRLEY POPPIES.** Beautiful, satiny flowers of various colors from white through rose, pink and carmine to the deepest crimson. Fine for cutting and will keep fresh in water for several days if cut before blooms are fully expanded.

**Eldorado.** Double, pink. Pkt. 10c;  $\frac{1}{4}$  oz. 40c.

**Eldorado Double Mixed.** Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

**Flesh Pink,** Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

**Finest Mixed.** Pkt. 10c; oz. 40c.

**SALVIA (Flowering Sage).** Very ornamental. Flowers borne in spikes of fiery red or crimson. Continues to bloom in open ground until after severe frosts. Start in heat and transplant into light soil, 1 to 2 feet apart.

**Zurich (New Dwarf Early).** The finest of all Dwarf Salvias. Very floriferous. Pkt. 10c.

**Splendens.** Brilliant scarlet. Pkt. 10c postpaid.

**Bonfire (Clara Bedman).** One of the finest ever introduced; compact bush, about 2 feet in height and diameter. Pkt. 10c postpaid.

**Plants, doz.** 50c postpaid.

**SALPIOGLOSSIS (Painted Tongue).** One of the very finest annuals, succeeding in any good ordinary soil and in a sunny position. Plants grow 24 to 30 inches high, and produce freely from midsummer until frost, in a very unusual range of colors. They are splendid for cutting. Seed may be started indoors about the end of March, or sown outdoors when danger from frost is past and the ground is in good condition. Should not be set closer than 12 inches apart.

**Purple and Gold, Rose and Gold, Crimson and Gold, Yellow.** Pkt. 10c.

**Collection of a packet each of the above 4 sorts,** 35c.

**Finest Mixed, all colors, pkt. 10c.**

**SCABIOSA (Sweet Scabious or Mourning Bride).** Free flowering annuals. White, carmine, lilac, maroon, etc. Effective for garden decoration and valuable for cutting. Sow seeds in open as soon as soil is warm, thinning to 8 to 10 inches. Blooms from early July until frost. Height 2 to  $2\frac{1}{2}$  feet.

**Azure Fairy, Fiery Scarlet, Loveliness-pink and Double Mixed.** Pkt. 10c; oz. 75c.



## Early Flowering Spencer Sweet Peas

The New "Spencer" type has lovely waved, fluted flowers of giant size. In exquisite colorings, length of stem and lasting qualities they are superior to older types. Our famous "Diamond Quality" Sweet Peas are selected with critical care and we offer the best productions of the foremost growers.

**CULTURE.** Plant as early in the spring as conditions will permit. Sow at rate of 1 ounce to 15 feet. Make a trench 3 to 4 inches deep, pressing soil down firmly. After plants are well up, thin to 4 or 5 inches apart, draw soil around them until trench is filled above the level. This gives depth to the roots, preserving moisture. Keep ground well worked and water if needed, an occasional thorough soaking being better than a daily sprinkling. Keep flowers cut close. Pruning tips of vines will aid in prolonging the season of bloom and insure better flowers.

**EARLY BLUE BOY.** Fine, large, clear blue.

**EARLY COLUMBIA.** Best pink and white.

**EARLY DUPLEX PIONEER.** Giant double, frilled, rose on cream ground.

**EARLY GIANT ROSE.** Giant bright rose, often five on stem.

**EARLY HARMONY.** Beautiful lavender, waved.

**EARLY MEADOW LARK.** Large. Rich cream color.

**EARLY SILVER BLUE.** Light shade of lavender.

**EARLY SNOWSTORM IMPROVED.** Giant improved. Pure white.

**EARLY TORCH.** Large. Salmon-orange.

**EARLY VULCAN.** Brightest scarlet. Sun-proof.

**EARLY WHITE HARMONY.** Black seeded giant. Paper white.

**EARLY GLITTERS.** Fiery orange. Prolific.

**EARLY SPRINGSONG.** Giant. Bright rose pink, flushed salmon.

Pkt. 10c;  $\frac{1}{2}$  oz. 25c; 1 oz. 45c;  $\frac{1}{4}$  lb. \$1.50.

**EARLY SPENCER MIXED.** A well blended mixture, containing all of the above shades and more.

Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c.

## Collection of Early Flowering Spencer Sweet Peas

1. Early Spring Song.
2. Early Vulcan.
3. Early White Harmony.
4. Early Glitters.
5. Early Blue Boy.
6. Early Columbia.
7. Early Lavender Harmony.

7 Packets—Value 70c for 50c Postpaid

## GENERAL LIST of SWEET PEAS

Our wonderful Diamond Quality Superb Spencers, with giant size, waved and fluted flowers, are so superior to the older types you will have the greatest of pleasure in your sweet pea garden. We have selected the very best in each color to offer you this season.

### Pink and Cream

**COUNTESS SPENCER.** Beautiful rose pink, frilled.

**WHAT JOY.** Large, primrose, shaded to cream.

**DOBBIE'S CREAM.** Giant, cream-colored flowers in fours.

**PINKIE.** Large flowers in fours. Deep rose pink.

**MARY PICKFORD.** Cream pink, faintly tinted salmon. Fours.

**MARGARET ATLEE.** Salmon pink over cream ground. Fours.

**WINNIE MORSE.** Cream ground, lightly flushed rose pink, duplexed, frilled.

### Red and Maroon

**CAMPFIRE.** Bright, sun-proof scarlet.

**CHARMING.** Brilliant, rosy cerise.

**FLAMINGO.** Orange scarlet cerise.

**SYBIL HENSHAW.** Giant. Deep crimson.

**DOREEN.** Huge, bright, rose carmine.

**FIERY CROSS.** Glittering, fiery red.

**KING EDWARD.** Deep, rich, carmine scarlet.



### Orange and Salmon

**BARBARA.** Beautiful shade of orange salmon.

**ILLUMINATOR.** Brilliant orange salmon, tinted cerise pink.

**GLORIOSA.** Bright, orange scarlet.

**IDYL.** Giant flowers in fours. Salmon pink. Waved.

**ROYAL PINK.** Large, pure pink.

**PRINCE OF ORANGE.** Huge, deep orange.

**TANGERINE IMPROVED.** Orange flowers in fours.

### Lavender and Blue

**ASTA OHN.** Giant, lavender mauve in fours.

**FLORENCE NIGHTINGALE.** Large, lavender tinted rose, frilled.

**FORTUNE.** Rich, dark blue.

**HAWLMARK LAVENDER.** Beautiful lavender in fours, frilled.

**OLYMPIA.** Giant, rich purple.

**ORCHID.** Beautiful lavender pink.

**KITTY PIERCE.** Soft, light lilac, suffused blush pink, frilled.

### White

**MODEL.** New, mammoth flowers, black seeded, pure white.

**AVALANCHE.** Giant, pure white.

Pkt. 10c;  $\frac{1}{2}$  oz. 20c; oz. 35c;  $\frac{1}{4}$  lb. 90c.

**STANDARD SPENCER MIXED.** A splendid mixture, containing many of the varieties in our general list of Spencers.

Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c.

## Collection of "Superb Spencer" Sweet Peas

1. Sybil Henshaw.
2. Avalanche.
3. Olympia.
4. Countess Spencer.
5. Illuminator.
6. Daffodil.
7. Asta Ohn.

70c Value Postpaid for 45c



SNAPDRAGON

**NEMESIA.** A splendid border plant with the widest range in color. Is very early, a continuous bloomer and stands a lot of hardship. If topped and watered when beginning to seed it will start blooming all over again. The orchid-like flowers vary in color, blue, orange, rose, yellow, etc.

Blue Gem.

Triumph Mixed, pkt. 10c.

**SCHIZANTHUS (Butterfly Flower).** Beautifully fringed and delicately colored flowers so numerous as to hide the foliage. Splendid bedding plant. Seeds sown in open come into bloom in a few weeks. Fine pot plant for house in winter. Height 1 to 2 feet.

May Blossom. Beautiful rose-pink. Pkt. 10c;  $\frac{1}{4}$  oz. 95c.  
Brilliant Mixed (Excelsior). Newest bright shades. Pkt. 10c;  $\frac{1}{4}$  oz. 95c.

**SNAPDRAGON (Antirrhinum).** One of the showiest border plants of almost every color; splendid for cut flowers. Greatly improved in recent years and really magnificent. Plant indoors very early, transplanting when about 3 inches high. Height 2 to 3 feet.

**TALL GIANT FLOWERED.**

Canary Bird. Bright yellow. Pkt. 10c.

Copper King. Bronze. Pkt. 10c.

Scarlet. Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

Golden King. Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

Rose Queen. Pink. Pkt. 10c;  $\frac{1}{4}$  oz. 30c.

Ruby. Bright red. Pkt. 10c.

Mixed Varieties. Pkt. 10c;  $\frac{1}{2}$  oz. 50c.

**MEDIUM TALL VARIETIES (Florist Strains).** Purity, pure white; Harmony, bronzy apricot; Nelrose, deep rose; Philadelphia, pink; Defiance, orange scarlet; Empress, velvety crimson; Silver Pink.

Rose Dore. Rose, suffused with orange.

Golden Queen. Giant yellow. Pkt. 10c;  $\frac{1}{4}$  oz. 50c.

Mixed Varieties. Pkt. 10c;  $\frac{1}{4}$  oz. 25c; plants, white, pink, red, yellow. Doz. 50c.

**Sweet Wivelsfield.** A new, hardy annual, cross between Dianthus Allwoode and Sweet William, yet distinct from either. Few plants can compare with it for wealth of color and prolific blooming qualities. Recommend for garden show rockeries or cut flowers. Will delight any gardener. Offered in mixture only.

Pkt. 15c.

**STOCKS.** These popular flowers are easily grown and are so highly fragrant and of such beauty that they deserve a place in every garden. Should be sown under glass in a warm place, giving plenty of air after seedlings are up. Transplant when about 2 inches high.

**IMPERIAL LARGE FLOWERING TEN WEEKS.**

Choice Mixed. Pkt. 10c;  $\frac{1}{8}$  oz. 75c postpaid; plants, doz. 50c.

**GIANT PERFECTION—Perpetual or Branching.** These ever-blooming stocks are popularly called "Cut and Come Again". Sown in March, they flower profusely from July until frost, their best period being late autumn. Very fragrant.

Princess Alice, white; La France, blush pink; Brilliant, blood red; Sapphire, violet; Creole, canary yellow; May Queen, pale blue; Rose Pink; Choice Mixed. Each, pkt. 10c;  $\frac{1}{4}$  oz. 75c.

**Virginian Stocks.** A fine, early flowering plant. Hardy annual. Rose or mixed. Pkt. 10c;  $\frac{1}{4}$  oz. 15c postpaid.

**Evening Scented Stock (Matthiola Bicornis).** Old-fashioned annual with an entrancing fragrance. Pkt. 10c; oz. 60c.

**THUNBERGIA (Black-Eyed Susan).** Rapid growing, annual climbers. Splendid for trailing over trellises, fences, etc. Buff, white, orange. 4 to 6 feet high. Grows readily from seed sown in the open.

Mixed Colors. Pkt, 10c;  $\frac{1}{4}$  oz. 45c.

**VERBENA.** Start seed in the house or under glass early in spring and transplant after 3 to 4 inches of growth. They flower in July and until frost. Height 8 to 12 inches.

Golden Queen, Scarlet Defiance, Pink Shades. Mammoth mixed. Any of the above Verbenas, Pkt. 10c;  $\frac{1}{4}$  oz. 50c postpaid; plants in season, doz. 50c.

**VIOLET.** Deep blue. Fragrant.  
Pkt. 10c.

## SPRINGTIME COLLECTION

"QUICK GERMINATING, FREE  
FLOWERING ANNUALS"

10 Pkts. \$1 value. One each of varieties below **75c**  
Postpaid for .....

* 1. Asters, California Giants,.....	10c
* 2. Zinnias, mixed .....	10c
† 3. Shirley Poppies, mixed.....	10c
† 4. Candytuft, mixed .....	10c
† 5. Sweet Alyssum .....	10c
† 6. Clarkia, Elegans, mixed.....	10c
* 7. Cosmos, mammoth, mixed.....	10c
† 8. Calendula, double, mixed.....	10c
† 9. Annual Hollyhock, mixed.....	10c
*10. Helichrysum (strawflower) .....	10c

†Early flowering.

‡Late flowering.

All favorites. Try this collection



STOCKS



## ZINNIAS

**DAHLIA FLOWERED.** The plants of this race are very sturdy and produce many flowers with stout stems. The flowers in full bloom often measure 4 inches in depth and 6 inches in diameter. Easily grown from seed sown in the open in April.

**Exquisite.** Light rose, center a deep rose.

**Golden State.** Rich, orange yellow.

**Crimson Monarch.** Largest and best red.

**Dream.** Fine, deep lavender, turning to purple (mallow).

**Old Rose.** For charm and beauty ranks next to Exquisite.

**Scarlet Flame.** Bright scarlet with a blending of orange.

**Oriole.** Immense orange and gold bi-color.

**Meteor.** A rich, glowing, deep red, the darkest of all.

**Mixed.** All colors, dahlia flowered.

**Any of above varieties,** pkt. 10c; 6 pkts. 50c;  $\frac{1}{8}$  oz. 85c; plants, doz. 50c.

**Double Giants.** A special strain, producing mostly double flowers of immense size. Plants are of extremely robust growth. Height about 3 feet.

**Mixed.** Pkt. 10c; oz. \$1.85.

**Dwarf Double Zinnias.** Best bedding variety. All colors mixed.

Pkt. 10c; oz. \$1.85; plants, doz. 50c.

**Elegans Lilliput Zinnias.** Small, double flowers. Excellent for borders. **Salmon Rose, Scarlet Gem,** or all colors mixed.

Pkt. 10c.

## WILD GARDEN MIXTURE

In this we offer a splendid collection of hardy annuals consisting of special selections from a 50-acre trial grounds, wild flowers and standard sorts, to meet the demand for odd corner mixtures or to beautify the vacant lot where cultivation is difficult and weeds predominate.

1 oz. pkt. 10c.

**ASPARAGUS SPRENGERI (Emerald Feather).** One of the best of the so-called Ferns. Feathered foliage. Useful for bouquets, wreaths or sprays, remaining perfect for weeks after cutting. Seeds should be sown under glass with night temperature of about 65 degrees. Will germinate in 4 to 6 weeks. Height 2 to 4 feet.

Pkt. 10c;  $\frac{1}{4}$  oz. 75c. For plants see Index.

**ASPARAGUS PLUMOSUS (Asparagus Fern).** One of the prettiest house plants. The leaves are bright green, graceful arched, surpassing Maidenhair ferns in grace, delicacy of texture and richness of color. Culture same as Sprenger. Height 6 to 12 feet.

Pkt. 25c;  $\frac{1}{8}$  oz. 95c. For plants see Index.

**CALCEOLARIA.** Beautiful flowers of unique form and colors, ranging from red, yellow, brown and orange. Fine for pot culture. Should be sown in flats very thinly, covered lightly with sifted soil, firmly pressed down. For plants see Index.

**Hybrida.** Finest mixed. Pkt. 50c.

**Rugosa (Rain of Gold).** Pure yellow form of the above. Fine for window boxes. Pkt. 50c.

**CANNA (Indian Shot).** Large, ornamental, tropical-looking plants of easy culture. Soak seeds in warm water for several hours, or until they commence to swell, then plant under glass. When second leaf appears, transplant into pots and keep under glass until soil outside is warm. Colors red and yellow. Height 2 to 6 feet. For Canna bulbs see Index.

**Crozy's Best Mixed.** Pkt. 10c; oz. 50c.

**COLEUS.** Popular ornamental foliage plants. Leaves of all shades and colors. Tender perennial. Sow seeds in flats indoors. Transplant seedlings to other flats until settled warm weather, then transplant to open garden. Pot for house culture before frost. Height 1 to 2 feet. For plants see Index.

**Extra Choice Mixed.** Pkt. 25c postpaid.

**CYCLAMEN (Persicum Giganteum).** Beautiful winter and spring flowering plants.

**English Type.** Cherry Ripe, red; Salmon King, salmon pink. Pkt. 25c.

**German Type.** Glowing Red, Christmas Red, Rose of Zehlendorf, rose pink. Pkt. 25c.

**DRACAENA.** Palm for porch boxes, tubs, etc. Very desirable. Narrow, dark foliage.

**Indivisa Lineata.** Pkt. 10c;  $\frac{1}{4}$  oz. 30c.

**HELIOTROPE.** Flowers in large clusters of lovely shades of blue. Delightfully fragrant and free blooming. Splendid for bedding, pot culture or bouquets. Start under glass very early in the spring, transplanting in pots or open garden. Will bloom in 2 to 3 months.

**Fine Mixed.** Pkt. 10c;  $\frac{1}{8}$  oz. 50c. For plants see Index.

**LANTANA.** A free-flowering shrubbery plant, suitable for outdoor or pot culture. The flowers emit an agreeable odor and are of many shades of purple, orange and white. Half hardy perennial. Sow seeds thinly in boxes indoors, covering very lightly. Transplant to garden when 2 to 3 inches high. Height 1 to 2 feet.

**Hybrida Fine Mixed.** Pkt. 10c;  $\frac{1}{4}$  oz. 20c. For plants see Index.

**PRIMULA (Primrose).** Some are hardy, early blooming, garden plants; others beautiful winter blooming house plants. Soak seeds in warm water for 24 hours, then sow thinly in shallow boxes of soft, sandy soil; cover lightly with sand. Press down firmly. Keep under glass until sprouted. For plants see Index.

**Polyanthus.** Early blooming, dwarf growing plants. Valuable for outdoor bedding. Mixed colors. Pkt. 25c;  $\frac{1}{16}$  oz. 75c.

**Vulgaris.** Yellow English Primrose. Pkt. 25c;  $\frac{1}{32}$  oz. 75c.

**Primula (Obconica Grandiflora).** Beautiful single flowers. This is really an everblooming plant, producing elegant clusters of lavender pink flowers throughout the year. Fine mixed.

Pkt. 25c;  $\frac{1}{64}$  oz. \$2.25.

**Smilax (Medeola Asparagooides).** Charming, tender, perennial climber for greenhouse or window gardens. The foliage and stems are of pleasing light green. Excellent for decoration.

Pkt. 10c;  $\frac{1}{4}$  oz. 20c.

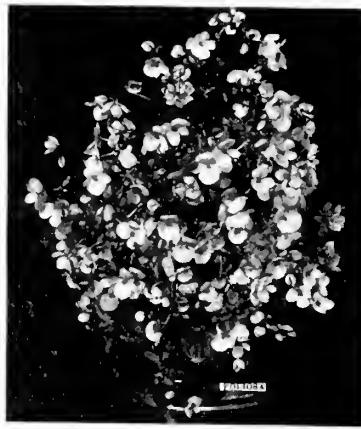
WRITE FOR COMPLETE BOOKLET OF PERENNIAL PLANTS AND SEEDS. THIS LIST INCLUDES MANY NEW AND RARE VARIETIES OF ALPINES. MAILED FREE ON REQUEST.



DOUBLE TUBEROUS ROOTED BEGONIA

**FLOWERING BEGONIAS.**

Price 25c each; set of 6 sorts \$1.15 postpaid.

**Alba picta.** Dark green leaves, spotted with white spots. Dwarf growing. Fine house plant.**Argentea Guttata.** Pointed, wine-colored leaves, with white spots. Clusters of white flowers freely produced.**Bertha Chateroche.** Glossy green foliage, clusters of bright scarlet flowers nearly all year.**Compta.** Pointed, purplish-green leaves with silvery shadings. Pure white flowers.**Foliosa.** The freest flowering Begonia we have. Makes a handsome window plant, with its glossy green leaves and bright green flowers.**Marguerite.** Foliage dark, bronzy-green on upper surface, reddish-purple on under side. Panicles of white flowers with downy red hairs.

BEGONIA FOLIOSA



CARNATION

**CAMPANULA ISOPHYLLA ALBA** (Creeping Charley or Falling Star). Splendid old-fashioned trailing plant, suitable for hanging baskets. Flowers pure white, about  $\frac{1}{2}$  inch in diameter, and produced with great freedom throughout a large part of the year.

Each 30c postpaid.

**CARNATIONS—TEN CHOICE VARIETIES.** Carnations thrive in any good garden soil and are easily grown inside for winter plants. Their spicy fragrance is delightful. A group of these 10 sorts is especially fine.

Each 25c; set of 8 sorts \$1.50 postpaid.

**Belle Washburn.** Deep scarlet. Large size. Perfectly double.**Early Rose.** Delicate flesh pink of exquisite shade. Finely formed, nicely fringed and very fragrant.**Eldora.** Fine, large, fringed flowers on fine stems. Color pure white, distinctly splashed with pink. Strong growing and free blooming.**Harvester.** Finely formed, pure white flowers, produced on wiry stems.**Matchless.** Very large. White, maculated with apple blossom.**Mrs. C. W. Ward.** Brilliant, dark pink. Of immense size. Spectrum. Very large, finely fringed flowers, produced in great freedom. Color bright scarlet of great richness.**Topsy.** Color crimson-maroon of the richest shade imaginable. Strong, spicy fragrance.

## FLORISTS' and GARDENING SUPPLIES

We carry a complete stock of florists' supplies, including wire designs, cords, ribbons, chiffons, foil, wire, clips, pins, flower boxes, earthen and paper flower pots, twine, wax and crepe paper, and a big line of baskets. Florists and nurserymen are invited to write for wholesale price list. We have a complete stock of general items used in the garden, as described below.

**ROUND PLANT STAKES.** Painted green.Doz., 3 ft. 60c; 3 $\frac{1}{2}$  ft. 75c; 4 ft. 90c; 4 $\frac{1}{2}$  ft. \$1.10 postpaid.**BAMBOO PLANT STAKES**100, 1 $\frac{1}{4}$  x 24 in. \$1.00; 1 $\frac{1}{4}$  x 30 in. \$1.15; 3 $\frac{1}{2}$  x 36 in. \$1.25; 3 $\frac{1}{2}$  x 48 in. \$2.00; 3 $\frac{1}{2}$  x 60 in. \$2.50; 1 $\frac{1}{2}$  x 72 in. \$3.75 postpaid.**WOODEN POT LABELS.** Painted white.

100, 4 in. 50c; 5 in. 50c; 6 in. 50c; 8 in. 60 postpaid.

**TREE LABELS.** Painted. Wired with copper wire.

100, 50c postpaid.

**WEATHERPROOF PENCILS.** For marking pot and tree labels.

Each 15c postpaid.

**RAFFIA.** For basket weaving and other purposes. Natural color.Lb. 40c; colored, 1 $\frac{1}{4}$  lb. 40c; 1 lb. \$1.25.  
Postpaid.

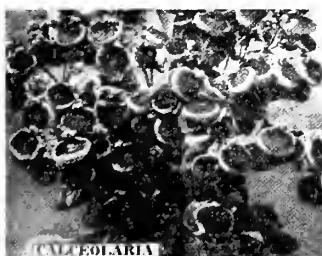
REX BEGONIA

**REX BEGONIAS.**

Grown for the beauty of the foliage. The leaves are large, variegated and margined with a peculiar silver-metallic gloss. The most ornamental of window plants.

Choice plants, each 25c; larger plants, 40c to 60c each postpaid.

**TUBEROUS ROOTED BEGONIAS.** From early spring until late fall they display a mass of gorgeous and brilliant coloring in shades of yellow, bronze, white, red and pink.

**Single Flowering.** Each 25c; doz. \$2.50 postpaid.**Double Flowering.** Each 30c; doz. \$3.00 postpaid.

**CALCEOLARIA (Shower of Gold).** Pretty clusters of golden yellow flowers all through the season.

Each 25c; doz. \$2.15 postpaid.



ENGLISH CHRYSANTHEMUM

**ENGLISH CHRYSANTHEMUMS**

Each 25c; set of 12 sorts \$2.00 postpaid

**Camille Bernadine.** Large, fluffy flowers of violet and carmine, shaded with white.

**Chaldrone.** Bronzy red, tipped with chamois. Dwarf.

**Champagne.** Bright red with golden yellow reverse.

**Cranford White.** Flowers in great profusion. Dwarf.

**Glory of Seven Oaks.** Deep golden yellow. Free blooming. Dwarf habit.

**Goacher's Crimson.** Rich crimson. Very early.

**Henry Vincent.** Rose pink, flushed with silver. Free blooming.

**Le Pactole.** Bright lemon yellow. One of the best.

**Mignon.** Rosy pink, shaded silvery. Vigorous grower. Very free.

**Queen of White.** Snowy white flowers cover the plant early in the fall.

**Source de Or.** Tawny red, flushed with bronze and chamois.

**Red Warrior.** Mahogany red, touched with gold. Very free blooming.

**FINEST  
JAPANESE CHRYSANTHEMUMS**

Each 25c; set of 12 sorts \$2.00 postpaid

**Betsy Ross.** Pure white. Very large, globe shaped. Finely incurved petals.

**Brilliant.** Bright crimson, reflexed form. Very free flowering.

**Bronze Queen.** Golden bronze, reflexed form. Early and free blooming.

**Chieftain.** Very large. Perfectly incurved flowers. Silvery pink.

**Chrysolora.** The finest yellow in the collection. Large, incurved flowers.

**Crystal Queen.** Pure white, incurved flowers of wonderful substance.

**Early Frost.** Pure snowy white flowers. Inner petals in-curving and outer reflexing.

**Golden Glory.** Deep yellow flowers of incurved form. Early and free blooming.

**Oconto.** Large, pure white flowers of fine size and form. Early blooming and strong growing.

**October Rose.** Rose pink with silvery suffusions. Large, incurved blooms. Rather dwarf.

**Rose Chocard.** Rose pink. Perfectly incurved flowers of wonderful substance, on stout stems.

**W. H. Waite.** Immense, full flowers of incurved form. Golden bronze, shaded terra cotta.



JAPANESE CHRYSANTHEMUM



KING HUMBERT CANNA

**CANNAS**

Quick growers, these new varieties, blooming continuously until frost, charming ornamental plants and make striking beds. Bulbs or plants in season, ready in April.

Each 25c; dozen \$2.50 postpaid.

**Firebird.** Green leaved. Flowers fiery, bright red, in immense trusses. 4 feet.

**King Humbert.** Mammoth flowers of brilliant orange-scarlet. Broad foliage, rich coppery bronze, with brownish-green markings. Height 5 to 6 feet.

**Meteor.** Large spikes of deep crimson flowers on tall stalks. Green foliage.

**Nokomis.** Vivid crimson flowers with silky sheen. Bronze colored foliage.

**Panama.** Massive orange-scarlet with narrow, golden-yellow edge.

**Rosea Gigantea.** Deep, rich, dark pink, shaded to coral. Immense spikes of bloom in great freedom. Height 4 feet.

**Wyoming.** Large, orange-colored flowers. Bronzy foliage.

**Yellow King Humbert.** Immense spikes of golden yellow, with scarlet-spotted throat.

**SPECIALS IN CANNAS**

Each 35c; dozen \$3.50 postpaid

**City of Portland.** A magnificent pink, with salmon suffusion. Luxuriant, green foliage. Very hardy.

**The President.** The best red-flowered, green-leaved Canna. Flowers glistening scarlet. Height 4 feet.



COLEUS

**COLEUS—Fancy Leaved.** The most important of all fancy leaved bedding plants. They make very fine pot plants if you have a warm room to winter them in.

Each 15c; 6 sorts 75c postpaid.

**CYCLAMEN PLANTS—Giant Flowered.** There is probably no more ornamental flowering plant for greenhouse or interior culture than the Cyclamen. Circular, fleshy leaves of a rich metallic green, variously marked with silvery stripes. The flowers appear at the approach of cool weather and continue blooming throughout winter. Colors red, pink and white.

Each 25c; larger plants, 40c and 60c each postpaid.



FUCHSIA

## FREE BLOOMING FUCHSIAS

Price 25c each; set of 6 sorts \$1.15 postpaid.

**Annie Earle.** Tube and sepals waxy white, corolla single, clear carmine. Splendid free blooming.

**General Roberts.** Flowers very large, corolla plum color, tube and sepals crimson. One of the finest. Double.

**Molesworth.** Fine, large and elegant form. Sepals long and reflexed, pure red; corolla double, white.

**Minnesota.** Single corolla of rich purple color; pure white sepals. Very free.

**Storm King.** Superb double, white variety, well known to all plant lovers.

**Trailing Queen.** Tube and sepals rosy scarlet; corolla violet purple. Trailing habit. For baskets and boxes.

## GERANIUMS

Geraniums are of the easiest culture, requiring only to be kept cool and given plenty of air, with an occasional sprinkling of the foliage to clean and freshen it. Keep the roots moist, not too wet, and have good drainage in the pots. No other flower can take their place as bed or border plant, and inside they grow beautifully throughout the year, making cheery house plants.

### FINE SINGLE GERANIUMS

Price 25c each; set of 12 sorts \$2.25 postpaid

**Albion.** Free flowering, snow white. Always in bloom.

**Emanuel Arene.** Rich, velvety crimson, maculated orange-red. Immense trusses.

**Jaquerie.** Rich, vivid crimson. Immense trusses.

**Maxine Kavolenski.** Very large trusses of orange-scarlet flowers, freely produced.

**Meteor.** Crimson maroon. Fine bedding variety.

**Mildred Rival.** Pure rose pink, with conspicuous white blotch on two upper petals.

**Mrs. A. Blanc.** Silvery-salmon, shaded to peach.

**Mrs. E. G. Hill.** Very large trusses of single florets. Color clear salmon with a white center.

**Paul Crambell.** Large trusses of bright scarlet flowers of perfect form.

**Romildi Vicini.** Pure white, overlaid and veined salmon. Always in bloom.

**Rosamine.** Delicate rose pink, maculated with white. Large trusses. Free blooming.

**Van Beneden.** Rich plum color; upper petals shaded orange-scarlet at base.

### FINE DOUBLE GERANIUMS

Price 25c each; set of 12 sorts \$2.25 postpaid

**Alphonse Ricard.** Immense trusses of vivid scarlet.

**Beaute Poitevine.** Rich, bright, salmon-pink. Wonderfully free.

**Edmond Blanc.** Large trusses of rich purplish violet flowers borne in greatest freedom.

**Fiat.** Bright salmon, shaded peach color. Very large trusses. Splendid bedder.

**Golden Dawn.** Compact trusses of yellowish vermillion flowers, freely produced.

**Jean Viaud.** Soft rose, shaded to white. Immense florets in large trusses. Magnificent variety.

**Madame Landry.** Salmon-pink, shaded with scarlet.

**Mme. Recamier.** Snowy white. Strong, vigorous grower.

**Marquis de Castellane.** Rich, solferine-pink. Brilliant and attractive.

**Mrs. Lawrence.** Satiny pink, shaded to white.

**S. A. Nutt.** Rich, dark crimson in large trusses.

**Thomas Meehan.** Vinous rose, marked with orange.



GERANIUM

### SPECIAL

**MRS. RICHARD GLOEDE.** A very good new geranium that is being grown more widely each year. The color is similar to American Beauty, but more brilliant. Good branching growth. Blooms profusely.

Each 25c postpaid. Large plants.

## PELARGONIUMS

### LADY WASHINGTON GERANIUMS

Each 35c; set of 5 sorts \$1.35 postpaid.

**Duchess of Cornwall.** Rich, purple flowers in great profusion. Entirely distinct and novel color.

**Duchess of Portland.** Vinous cerise, shaded to vermillion. Upper petals darkly blotched and veined.

**Easter Greeting.** Fiery amaranth red, blotched maroon.

**Lord Clyde.** White, flushed lavender, with dark blotches at base of two upper petals.

**Sweet Adeline.** Deep pink, shaded to white at center. Prominent dark blotches at base of petals.

**IVY LEAVED OR TRAILING GERANIUMS.** Unexcelled as basket or window box plants, as well as being useful in bedding, covering the ground quickly with their deep green, ivy-shaped leaves and brilliantly colored flowers.

Each 30c; set of 4 sorts 95c postpaid.

**Colonel Baden Powell.** The nearest approach to a pure white variety in this class. Fine, large trusses.

**Charles Turner.** Brilliant pink, approaching scarlet. Upper petals nicely feathered maroon. Large trusses.

**Garden Glory.** Brilliant scarlet, upper petals veined crimson.

**Madame Thibaut.** Soft rose pink. Upper petals feathered with crimson. Undulated petals, immense trusses. Luxuriant foliage.

**SHOWER OF GOLD (Genista Racemosa).** Its pendent-shaped flowers literally smother the plant during the spring months, while at other times its graceful, dark-green foliage makes a very ornamental plant.

Each 25c; 3 for 70c postpaid.

### HELIOTROPE

Price 25c each; set of 4 sorts 75c postpaid

**Albatross.** Elegant dwarf, bushy growing. Large panicles of pure white flowers in great profusion.

**Heavenly Blue.** Large, close panicles of exquisite light blue flowers with a white eye.

**Lavender Queen.** A beautiful lavender, suffused with rosy mauve. Dwarf, robust, free, continuous bloomer.

**Royal Purple.** Color deep violet purple with white eye.

DEDUCT 10% FROM POSTPAID ORDERS OF DIAMOND QUALITY SEEDS AMOUNTING TO \$2.00 OR MORE

## LANTANAS

A fine class of summer blooming bedding plants, also known as shrubbery Verbenas. They vie with Geraniums and Cannas in their brilliancy of color in the summer.

Price 25c each; set of 6 sorts \$1.15 postpaid.

**Ameil.** Covered all summer with umbels of little florets. **Countess de Biencourt.** Rich rose, center primrose yellow.

Each floret with golden throat.

**Courbeille de Argent.** Large umbels of pure white florets, centered with yellow. Free blooming.

**Delicatissima.** The weeping Lantana. Lilac-pink flowers. **Jaun d'Or.** Large umbels of light sulphur-yellow flowers, changing to a beautiful shade of pink.

**Radiation.** Bronzy red with golden yellow center. One of the brightest and best bedding sorts.

**Tethys.** Sulphur-yellow with golden-yellow center. A gem for bedding.

**MARGUERITE—Mrs. Sanders.** A superb new Marguerite or Paris Daisy coming from England. Covered all summer with large, anemone-shaped, semi-double white flowers of great beauty. A fine garden plant.

Each 20c; doz. \$2.00 postpaid.

**MESEMBRYANTHEMUM SPECTABILIS.** Quilled shaped, succulent leaves with large, single, thistle-like, cerise-pink flowers. Fine for baskets, vases or porch boxes. Each 25c; 3 for 65c postpaid.

**NEPETA GLECHOMA VARIEGATA.** The variegated ground ivy. Well-known trailing plant, with green and white foliage. A fine basket and window box plant.

Each 25c; 3 for 65c postpaid.

**VINCA VARIEGATA.** Leaves are a glossy green, broadly margined a creamy white. The best of trailing plants for window boxes.

Each 25c; 3 for 65c postpaid.

**WANDERING JEW (Tradescantia).** White and red variegated.

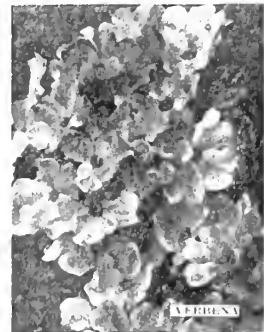
Each 25c; 3 for 65c postpaid.

**PETUNIA—Irvington Beauty.** Single flowered. Covered with beautiful light pink flowers, veined green and shaded to white in throat.

Each 25c; 3 for 65c postpaid.

**SNAPDRAGON—New English.** This fine strain grows about 1½ feet high. The flowers are closely set in large spikes and cover all the range of color known in this popular bedding plant. Among the most satisfactory summer bedding plants. Ten choice sorts as follows: **Enchantress,** pink; **Flame,** scarlet; **Fiery-Belt,** orange; **Golden Queen,** yellow; **Golden Morn,** raspberry; **Matchless** apricot; **Nelrose,** pink; **Peace,** salmon; **Prima Donna,** apricot; **White Queen,** white.

Each 15c; set of 10 sorts \$1.35 postpaid.



**VERBENA—New Mammoth.** The Verbena is, next to the Geranium, the most popular of all bedding plants. Assorted colors.

Each 20c; doz. \$1.50 postpaid.

## SWEET VIOLETS

Price 25c; set of 6 sorts \$1.15 postpaid

### SINGLE

**Baroness Rothschild.** Similar to Princess of Wales, but blooms more freely.

**California.** Very showy flowers of enormous size. Deep violet blue. Very fragrant.

**Princess of Wales.** Gigantic flowers, a rich shade of blue. Extremely fragrant.

**Peacock.** Lovely white flowers, shaded with light blue. Very distinct.

### DOUBLE

**Marie Louise.** Beautiful double sort with violet blue flowers.

**Swanley White.** Beautiful, pure white, double flowers in great profusion.

## BEAUTIFUL ORNAMENTAL FERNS



### SIX FINE TABLE FERNS FOR \$1.35

Each separately 30c postpaid

**Adiantum Cuneatum (Maiden Hair Fern).**

**Aspidium Tsussimense.** Of graceful habit.

**Pteris Argyrea (Silver Fern).**

**Cyrtomium Falcatum (Holly Leaved Fern).** Hardy, dark green foliage.

**Pteris Cretica Alba-Lineata.** A pretty variegated type.

**Pteris Wilsoni.** A very beautiful sort.



**OSTRICH PLUME FERN (Nephrolepsis Whitmani).** A sport from the Boston Fern. Very beautiful.

Small plants 25c postpaid; larger plants from 4-inch pots 75c; 5-inch pots \$1.50 postpaid; specimen plants \$1.50 to \$3.00 postpaid.

### ASPARAGUS FERNS.

**SPRENGERI (Emerald Feather).** One of the handsomest, most valuable evergreen trailing plants for the house and conservatory. Beautiful sprays of lovely green, feathery foliage. Charming for the window or conservatory.

**PLUMOSA (Japanese Lace Fern).** Finer and more delicate than Sprenger, but hardy and easily grown. A graceful window climber. Bright green, feathery foliage, as fine as silk or lace.

Each 25c postpaid; larger plants 35c and 50c each postpaid.

**BOSTON FERN.** The original, well-known type of sword fern. Splendid plants.

Small plants, 25c postpaid; large plants from 4-inch pots 75c; 5-inch pots \$1.50 postpaid; specimen plants \$1.50 to \$3.00 postpaid.

**ROOSEVELT FERN.** Resembles a Boston Fern. Produces more fronds. A wonderful decorative plant.

Small plants 25c postpaid; large plants from 4-inch pots 75c; 5-inch pots \$1.50 postpaid; specimen plants \$1.50 to \$3.00 postpaid.

**TEDDY JUNIOR FERN.** A new dwarf fern, sport from the Roosevelt. Compact in form.

Small plants 25c postpaid; large plants from 4-inch pots 75c; 5-inch pots \$1.50 postpaid; specimen plants \$1.50 to \$3.00 postpaid.

## ORIENTAL CLIMBING VINES

### CINNAMON

The easiest grown climbers in the world. From China, the land of wonders. Their abundant blossoms perfume the air for a long distance with a delicate fragrance. Perfectly hardy, thriving in all soils, in sun or shade, wet or dry. No insects, blight or disease ever troubles them, no winter harms. Once planted, they will grow a lifetime.

Each 25c; five for \$1.00 postpaid

**CLEMATIS.** No other climbing plant equals in attractiveness the beautiful, large flowering Clematis. They need rich, deep soil, perfect drainage, abundance of water with the crowns 3 inches beneath the surface of the soil.

**Anderson Henryi.** Creamy white. Large.

Each 75c.

**Paniculata.** White flowers of pleasing fragrance.

Each 50c.

**Jackmani.** The popular, rich purple variety.

Each 75c.

**Mme. Edouard Andre.** Very free flowering, bright carmine.

Each 75c.

**Ramona.** Beautiful lavender.

Each 75c.

**DUTCHMAN'S PIPE (Aristolochia Siphon).** Bright green, luxuriant, having large foliage and brownish flowers. A strong, rapid grower.

Strong plants, each 75c.

**ENGLISH IVY.** Large, thick, shining, leathery leaves. Evergreen. Plant in sheltered position.

Each 40c.

**HONEYSUCKLE (Hall's Japanese).** Almost evergreen. Very popular. White, turning to yellow.

Each 50c.

**JASMINE (Nudiflorum).** Drooping branches, enveloped with bright yellow flowers before leaves appear.

Each \$1.00.

**KUDZU (Pueraria Thunbergiana).** Large foliage and dense shade, growing 50 feet in one season. Flowers plentiful in August, rosy-purple, pea shaped. Racemes.

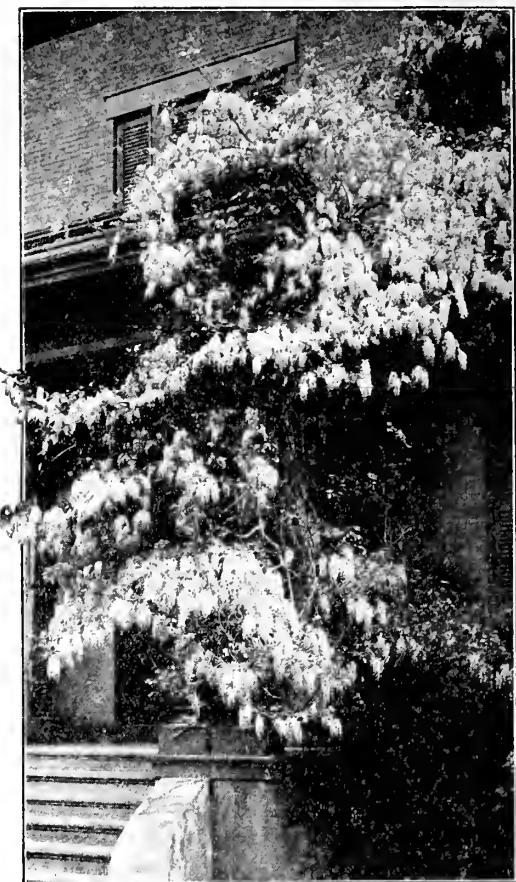
Each 50c.

**TRUMPET VINE (Bignonia Radicans).** Strong climber, deciduous. Flowers orange-scarlet. Blooms in mid-summer.

Each 60c.

**WISTARIA (W. Sinensis).** Chinese Wistaria. Grows 15 to 20 feet in a season. Has long, pendulous clusters of pale blue or white flowers in May and June.

Choice, 1-year plants 75c to \$1.50; grafted plants, blue or white, each \$1.50.



### WISTARIA

**AMPELOPSIS—Ivy (Veitchi, "Boston Ivy").** Leaves glossy green, coloring bronze in fall. Flowers small. Berries deep blue. Clings firmly to smooth walls.

Strong, 2-year roots 50c.

**Quinquefolia ("Virginia Creeper").** Common Ivy.

Strong, 2-year roots 50c.

**Engelmanni.** Similar to Quinquefolia, but leaves are slightly smaller. Will cling to walls without any support. Very hardy.

Strong, 2-year roots 50c.

**BITTER SWEET.** Rapid grower, succeeding in almost any situation. Attractive light green foliage and yellow flowers during June, followed in the autumn with bright orange fruit.

Strong plants, each 60c.

**SILVER LACE VINE (Polygonum Aubertii).** One of the most desirable flowering climbers, of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers. A well-established plant. During its long flowering period is a mass of bloom. It adapts itself to the most varied climatic conditions.

Each 85c.

## WATER LILIES

### WATER LILIES

White . . . . .	\$0.75
Pink . . . . .	1.00
Red . . . . .	2.00
Yellow . . . . .	.75

Write for free illustrated booklet of pool construction.

WATER LILIES

10% DISCOUNT ON ORDERS FOR POSTPAID DIAMOND QUALITY SEEDS TO THE VALUE OF \$2.00 OR MORE





**AMARYLLIS VITTATA HYBRIDS.** Wonderfully beautiful lilies that can be grown easily, either as a pot plant or out of doors. The flower stalks are about 18 inches high and have two to six giant flowers of the most perfect form. They flourish in the sun, but do even better in partial shade. Outdoors, plant in sandy soil about a foot apart, covering about 4 inches. Indoors, plant in small pots, as they seem to flower better when root-bound. We do not know of any flower that will please you more than this and as a house plant it is unsurpassed. It is not hardy. Mixed colors only.

Each 75c; doz. \$7.50 postpaid to fourth zone.

#### Lilium Candidum (Madonna Lily).

This is the ever popular, fragrant, snow-white, hardy garden lily. It grows 4 to 5 feet high and blooms in the open ground in June. The finest obtainable. Should be planted early.

Mammoth bulbs, each 35c, doz. \$3.50; select bulbs, each 25c, doz. \$2.50; price postpaid to fourth zone.

**MOUNT HOOD LILIES.** This is an especially beautiful lily, a native of Oregon and an interesting lily to have in the garden. The flower is large, open form, white, tinted with lilac, and is very fragrant. Grows 3 to 5 feet high.

Choice bulbs, each 25c; doz. \$2.50; extra blooming size, each 35c; doz. \$3.50 postpaid to fourth zone.

**LILIUM PARDALINUM.** This is not the common native L. Pardalinum, but a more robust grower, attaining a height often of 10 feet. From 10 to 30 large, pendant flowers, of a bright scarlet, shaded orange, freely spotted maroon. Prefers a damp position, sandy peat, with plenty of drainage.

Bulbs, each 50c.

"**LILIUM REGALE** or **MYRIOPHILLUM**." The most interesting ever discovered. Perfectly hardy, of medium height, bearing 5 to 8 large, handsome blooms. Color white, outer petals shaded with pink, throat suffused primrose-yellow. Delightfully perfumed.

Bulbs, medium, each 25c; large, each 50c.

**GARDEN CINDERELLAS (Lilies).** By Helen M. Fox. Expert information on growing lilies by a gardener whose knowledge is proven by her own success. Tells the name of every lily in cultivation, its native home, season of blooming, propagation methods, and every other detail needed for success. Beautifully illustrated in color and halftone. 51 illustrations, 269 pages.

Price \$5.00.



**LILY OF THE VALLEY.** One of the most satisfactory and charming spring flowering plants, producing in profusion its delicate, bell-shaped, fragrant, white flowers. Will thrive in any common soil, are perfectly hardy, and will succeed in shady situations. If left undisturbed in the open ground, they will increase from year to year, and are charming in beds or borders around the lawn.

Pips, 3 for 25c; doz. 75c; 100 \$5.00 postpaid.

#### Imported Hardy Japanese Lilies

Lilies planted outdoors during the fall or early spring flower each year from June to October. After bulbs are set out they should remain undisturbed for five or six years. They will increase in size, beauty and number of flowers, with practically no attention, our Coast climate being perfectly suited to their requirements and once established, they rival the famous product of Japan. Place bulbs on side on 2-inch layer of sand and cover with 4 to 6 inches of soil. Japanese Lily bulbs are postpaid.



**Auratum Platypyllum.** Similar in color to Auratum, heavily spotted, but much larger.

Mammoth bulbs, each 35c; doz. \$3.50.

**Henryi.** Beautiful orange-yellow flowers with green band. Very effective. Hardy.

Each 50c; doz. \$4.50.

**Speciosum Album.** Pure white. Flowers freely. Large bulbs, each 50c; doz. \$4.50.

**Speciosum Magnificum.** Similar to Melpomene, but more vigorous and blooms earlier. Each 35c; doz. \$3.50.

**Speciosum Rubrum.** White with dark rose spots. The most popular of the speciosum varieties. Hardy. Free bloomer.

Large bulbs, each 25c; doz. \$2.50.

**Tigrinum Splendens (Improved Single Tiger Lily).** Has very large flowers of excellent form. Color orange-salmon, with dark spots. Hardy and a free bloomer.

Large bulbs, each 20c; doz. \$2.00.

**CALLA LILIES—Elliotana.** Immense, yellow, trumpet-shaped flowers, green leaves, mottled with white.

Each 35c; doz. \$3.75.

**Ethiopa (Lily of the Nile).** White, trumpet-shaped flowers.

Each 20c; doz. \$2.00.

**New Godfrey.** Gives three flowers to one of the older variety. Perfect snow-white flowers. Blooms on very small plants.

Each 30c; doz. \$3.00.



**Our "Diamond Special"  
DAHLIA COLLECTION  
10 Choice Dahlias  
\$4.50 Value for \$1.60**

Each season we find that we have produced more of some varieties of Dahlias than others; however, we cannot tell what these varieties are until quite awhile after the catalog is printed. To dispose of these extra lots we offer this collection of ten Dahlias, all different, in large-flowering, double varieties, of high quality, without name tags, but assorted to give you three times the usual value. While ordering your named varieties, add one or more of these collections for surprise results. Postpaid.

**Finest Cactus Dahlias**

From comparative tests in the field we have selected the following as being the best of their types and color. The list contains many of the newest Dahlias as well as the best of the older ones.

**Prices Postpaid**

**Alice Whittier.** Giant flowered, on stiff, erect stems. Deep primrose-yellow.

Each 50c.

**Captain Scott (English Cactus).** A free flowering white. Long petals, good stems, constant bloomer throughout season.

Each 50c.

**Caribee (H. C.).** Peculiar blending of tyrian rose, veined and tipped with cream reverse, oddly rolled and twisted petals.

Each 50c.

**Chas. Sherbrooke.** Rich scarlet, reverse of petals old gold. Each 35c.

**Chemar's Masterpiece.** Huge, double, orchid-pink blossom on good stems. Petals beautifully incurved.

Each \$1.50.

**Cigarette.** Vividly striking, creamy-white petals, heavily edged orange. No two flowers exactly alike. Petals are long, narrow and inclined to roll. The large blooms are produced on strong, stiff stems.

Each 50c.

**Conquest.** Rich crimson, of large size, with narrow, incurved, slightly twisted petals. Erect habit. Long, upright stems.

Each 35c.

**Esther.** Soft, silvery, lilac-rose. One of the best.

Each 35c.

**Eterndnand de Lyon (H. C.).** Carmine-rose, almost magenta. Large, full flowers and wavy petals.

Each 35c.

**Guardian.** Giant flowering, crimson flowers on long stems. Best for cutting or exhibition.

Each 75c.

**Indomitable.** Long, narrow petals, incurved. Color rosy mauve.

Each 50c.

**Kalif (H. C.).** A giant flower. Brilliant, pure scarlet. The immense blooms are freely borne on long, strong stems. A wonderful display.

Each 50c.

**La Farovita (H. C.).** This splendid variety is a brilliant salmon, shading from dark in center to pink at points. Each 50c.

**Magnificent.** Of immense size, flowers often 8 inches across. Beautiful oriental buff, overlaid rose-salmon. Fine stems. Free bloomer.

Each 50c.

**Mariposa.** A beautiful shade of true pink, intensified by a deeper-colored center; a faint violet suffusing adds to the charming effect. Flowers produced on strong, upright stems.

Each 50c.



**My Maryland.** Giant flowers on long, stiff stems, delicate pink, suffused lavender.

Each \$2.00.

**Mrs. Doug. Fleming.** Without doubt one of the best whites. Very narrow, incurved florets, so numerous as to make monster flowers. Extra free and constant. Erect stems.

Each 35c.

**Rapier (H. C.).** Pure gold shade, tinted salmon. Very large, attractive flowers.

Each 30c.

**Record.** Rich, oriental red, shading to yellow center. Very free bloomer.

Each 25c.

**Rollo Boy.** Giant flowers on long, erect stems. Delicate amber, shaded to gold.

Each 50c.

**Ruth Gleadell.** A beautiful shade of yellow, suffused with pink on outer petals.

Each 35c.

**Tauney Boy.** Giant hybrid cactus, one of the largest of this type. Huge blooms, often 10 to 12 inches across. Beautiful, tawny orange, sometimes tipped white. Fine stems.

Each \$2.00.

**Tustu.** Velvety maroon. Free flowering.

Each 25c.

**U. S. A. (H. C.).** A mammoth flower of exquisite deep orange, very unusual in a Dahlia. Attracts attention everywhere.

Each 50c.

**Washington City (H. C.).** A giant, star-like flower of purest white. Long, strong stems.

Each 50c.

### Show Dahlias

The show or quilled type is the popular old-fashioned Dahlia so improved that many of our most magnificent flowers belong to this class.

**Anna Rehorst.** Rich, deep shade of purple.

Each 35c.

**Dreer's White.** A magnificent white of largest size, great purity, long stems.

Each 35c.

**Dreer's Yellow.** Very large blooms. Resembles Dreer's White, except color.

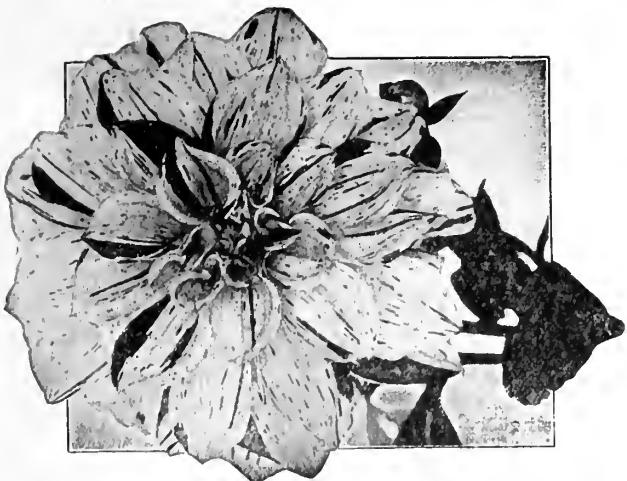
Each 50c.

**Robert Mantell.** New. Deep crimson-maroon.

Each 35c.

**W. W. Rawson.** Pure white, overlaid with amethyst blue. Often 7 inches in diameter. Stiff, erect stems.

Each 35c.



## Decorative Dahlias

Prices Postpaid

**Al Koran.** Immense size and perfect formation. The giant flowers are held on long, strong stems. Color yellow, suffused goldenrod-amber.  
Each 35c.

**Amun Ra.** A very large flower. Gorgeous shades of copper-orange, gold and amber, deepening in center to a reddish-bronze. A gold medal Dahlia.  
Each 50c.

**Ballon.** A very odd shade of bronze-apricot, suffused with gold. Quite distinct.  
Each 35c.

**Billie Burke.** Free flowering. Soft yellow, of extra large size. Flat petals, narrow and very numerous.  
Each 35c.

**Carmensylva.** Exquisite shade of salmon-pink. Fine for cut flowers.  
Each 35c.

**Champagne.** One of the largest Dahlias. Delightful warm autumn shades, varying from copper to a dull gold and chamois. Produced freely on long, hard stems.  
Each 75c.

**Chowchilla.** A bright, warm yellow. Petals long, partly rolled. Immense flowers.  
Each 35c.

**Dorothy Robbins.** Giant blooms of a distinct autumn shade, deep buff, suffused orange-red. Grand stems.  
Each 50c.

**Jane Cowl.** A massive, deep flower, petals curled and twisted. A glittering, bronzy-buff and old gold, blending to a deeper shade towards the center; reverse of petals a pale-flesh color, giving the flower a warm glow. An unusually strong stem holds this giant decorative erect above thick, leathery, insect-resistant foliage. Miss Jane Cowl selected this variety to bear her name.  
Each \$2.00.

**El Dorado.** Giant flowering Dahlia. Vivid gold, shading to deeper tones at the base of petals. Blossoms are produced very freely on long, strong stems. Extra fine for cut flowers and exhibition. One of the very best new Dahlias.  
Each 75c.

**Glorieux.** Rich, golden yellow, tinted bronze and usually tipped white. A free bloomer.  
Each 50c.

**Hortulanus Witte.** Very long stemmed. Pure, glistening white.  
Each 35c.

**Jersey Beauty.** Very large, perfect blooms of a beautiful true pink. Extra fine stems. A wonderfully fine Dahlia for any purpose. Has won more gold medals and first prizes at the leading shows than any other Dahlia.  
Each 50c.

**Jonkheer Boreel.** An elegant, large flower of brownish-buff yellow. Most beautiful shade.  
Each 35c.

**Kitty Rodgers.** European importation, of immense size. Soft pink on a white ground.  
Each \$2.00.

**Lady Betty.** Extra large. Blooms freely all season. Color a lovely, creamy-white, suffused with pink. There are none like it.  
Each \$1.00.

**Latona.** Fine, large flower of pale yellow, tinged buff and lavender. Freely produced on the stoutest, erect stems.  
Each 25c.

**Le Grand Manitou.** Extra large, variegated flowers. White, striped and spotted with violet-purple.  
Each 25c.

**Marcella.** A delightful, clear, soft pink. A great favorite.  
Each 25c.

**Marmion.** This new Dahlia is truly a giant for size. The flowers in our display garden this past season grew 12 to 14 inches across without disbudding and without receiving any other special attention, except good cultivation. Perfect formation, with long, wavy petals. Pure golden-yellow with bronze suffusion on reverse of petals. Extra strong, stiff stems.  
Each \$1.25.

**Mary Burns (California Decorative).** A combination of red and old gold, outside of petals old gold, reverse a dull red. A wonderful exhibition variety.  
Each 50c.

**Millionaire.** One of the largest decorative Dahlias. Light lavender, shading to white in center.  
Each 50c.

**General Custer.** Flowers often more than 8 inches across. color an interesting combination of yellow, white and coral red. No two blooms alike. Free flowering.  
Each 35c.

**Mrs. Carl Salbach.** Immense, lavender-pink blooms on exceptionally long, strong stems.  
Each 35c.

**Mrs. Geo. W. Elkins, Jr.** A wonderful Dahlia of the largest size. Beautiful old gold, suffused with salmon-pink.  
Each 75c.

**Mrs. I. De Ver Warner.** One of the finest decorative Dahlias. Deep mauve-pink or orchid. Extra strong grower, producing gigantic blossoms on long stems.  
Each 50c.

**Patrick O'Mara.** The flowers are 8 inches in diameter and borne on long, strong, erect stems. Soft and pleasing shade of orange-buff, slightly tinged with rose. One of the most lasting cut flowers.  
Each 50c.

**Polar Star.** The purest white Dahlia of remarkable beauty. Flower is large and full and carried on 18 inch stems.  
Each 50c.

**Porthos.** New Holland Dahlia. Large blooms of deep lavender-mauve.  
Each 50c.

**Pride of California.** Large, red flowers, extra good stems. Very prolific and good, long keeper.  
Each 35c.

**Rookwood.** Immense, giant blooms on excellent stems. Color an entirely new shade of pink, being a pure, bright, cerise rose. A wonderful Dahlia.  
Each \$1.00.

**Sequoia Gigantea.** A very large, deep buttercup-yellow. Stout stems. One of the largest and best.  
Each 50c.

**Souvenir de Gustave Doazon.** Magnificent, rich scarlet, often growing 9 inches in diameter. Constant bloomer.  
Each 35c.

**Syncope.** A big, jazzy colored Dahlia that seems to always attract attention and appeals to everyone. Very distinct color combination of bright, buff-yellow, with center of each petal a deep, cherry-red. Strong, vigorous grower. Early and constant bloomer. Fine stems. One of the finest new varieties.  
Each \$2.50.

**The Grizzly.** A rare novelty of deep, rich crimson-maroon, on perfect stem. Of immense size and a prolific bloomer.  
Each 60c.



### Peony Flowered Dahlias

**Billionaire.** One of the largest Peony Dahlias. Bright, golden-orange.

Each 50c.

**Black Beauty.** Dark, velvety maroon, often shaded violet. Each 25c.

**City of Portland.** Truly a wonderful Dahlia. Color a clear, rich, deep yellow. Immense flowers that are graceful and artistic, held upright on long stems. Peony type. Each 50c.

**Elizabeth Boston.** Giant blooms of deep crimson, shading to old gold at tips. Extra long, stout stems. One of the largest and best of recent introduction.

Each \$1.00.

**Fantastique.** Distinct and decidedly different. Large, semi-double flowers, irregularly curled and twisted petals. Color deep wine-crimson, tipped and edged pure white. Each 35c.

**Geisha.** Golden yellow, changing to red and again to yellow tips. A sure bloomer and most popular. 8 to 10 inches across.

Each 50c.

**Hi Gill.** Golden-yellow, reverse bronze. Very large, on long, strong stems.

Each 35c.

**Hope.** English variety. Beautiful mauve color. Very large blooms, long stems.

Each 50c.

**Lieut. Orville A. Stevens.** Light, orange-scarlet. Blooms large, Good stems.

Each 25c.

**Madam Von Bystein.** A magnificent lilac-lavender, changing to light blue.

Each 25c.

**Maple Leaf.** A rich, golden-yellow, heavily marked with red. Very unusual.

Each 40c.

**Mrs. Jack Green.** Very large, full flower. A beautiful shade of rich scarlet.

Each 35c.

**Mrs. Jessie Seal.** Beautiful salmon-rose, suffused with gold. Large, full flowers. Extra long stems.

Each 50c.

**Naiad.** An exquisitely tinted, cream-pink, extra long stems and large flowers. Very beautiful cut flower.

Each 35c.

**Oregon Beauty.** Bright, fiery-scarlet, with golden sheen. Free blooming.

Each 25c.

**Oregon Sunset.** Rich, golden-yellow, heavily suffused reddish-brown. Free flowering. Long, stout stems.

Each 35c.

**Orient.** A beautiful combination of orange-scarlet and bright yellow. Fine for cutting.

Each 25c.

**Osaka Geisha.** Huge flowers, often 10 inches across. Long, stiff stems. Very odd color, face of petals sulphur-yellow, back a dull red.

Each 50c.

**Pacific Glow.** Giant blooms of a beautiful salmon-pink.

Each 75c.

**Pearl Delgar.** Very large, beautifully formed flowers. A new color, best described as a dull plum color.

Each 35c.

**Pride of Portland.** An immense flower, the color of Geisha, but the yellow is brighter and also the red.

Each 75c.

**Pvt. Byron Streeter.** Lilac-purple, suffused dark lilac on outer petals. Enormous, very double flowers, strong stems.

Each 50c.

**Stephen Loma.** Pleasing dark magenta color, with fine stems.

Each 35c.

### Pom Pom Dahlias

Prices Postpaid

Same as show type, except they are of diminutive size, but have longer stems and are great bloomers. Ideal for cut flowers, as they are very long keepers.

**Adrienne.** Scarlet, slightly tipped yellow.

Each 25c.

**Alex.** Light cerise, faintly tipped silver.

Each 25c.

**Amber Queen.** Rich, clear amber, shaded apricot. Free flowering.

Each 25c.

**Belle of Springfield.** The smallest Dahlia grown. Bright, brick-red. Profuse bloomer.

Each 25c.

**Bobby.** Deep plum color. Very free bloomer.

Each 25c.

**Geo. Brinkman.** Pure white.

Each 25c.

**Geo. Ireland.** A dainty mauve color.

Each 25c.

**Jewel.** Soft, light yellow.

Each 25c.

**Johnny.** Intense red.

Each 25c.

**Little Belle.** Clear, mauve-pink.

Each 25c.

**Little Daisy.** White, suffused pink.

Each 25c.

**Orange.** Deep orange. Extra fine stems.

Each 25c.

**Pride.** Dark crimson-scarlet. Very free flowering. Extra fine.

Each 25c.

**Prince Charming.** Lavender, touched with violet and deep rose.

Each 25c.

### Special Collection

FIVE POM POM DAHLIAS

Amber Queen

Geo. Ireland

Belle of Springfield

Jewel

Little Daisy

\$1.25 VALUE FOR \$1.00 POSTPAID

### Collarette Dahlias

**Katchen Von Schwarzatal.** The finest of all collarettes. Color a vivid carmine-rose, edged and tipped white, with white collar. Blooms often 5 to 6 inches across.

Each 35c.

**Scarlet Queen.** New. Bright scarlet with yellow collar and long stems.

Each 35c.



## GLADIOLUS

Exquisite coloring, vigor, ease of cultivation and freedom from insect pests and disease are making Gladiolus universal favorites that should have a place in every garden. If planted in June they come into bloom at a season when there are few other flowers.

**CULTURE.** Gladiolus may be planted as early in the spring as ground can be worked or as late as June. A sunny situation preferred. Plant to a depth of 3 to 6 inches, depending on size of bulb.

**GLADIOLUS**—By F. F. Rockwell. Recommended as "the best brief guide on Gladiolus growing". It tells how to plant, fertilize and cultivate; how to grow from seed or bulblets; how to harvest and cure; how to handle for cut flowers; and every other detail needed for success with this popular flower. 45 illustrations, 79 pages.

Price \$1.10 postpaid.

**Break O' Day.** A good, willowy spike, well set with clear, pale-pink blooms, with darker throat lines. A leading early cut flower.

3 for 25c; doz. 75c.

**Capt. Boynton.** Beautiful lavender, with deeper blotch on lower petals. Perfectly placed, large flowers on tall, strong stem. An excellent variety and early forcer.

3 for 25c; doz. 90c.

**Cardinal Prince.** Very nice, clear, cardinal red. Several florets open and well placed on a medium-length spike. Very desirable.

3 for 25c; doz. 90c.

**Dorritt.** Very popular lavender-pink, flecked with rose. Many open at once. Good keeper.

3 for 25c; doz. 90c.

**Dr. F. E. Bennett.** One of the finest. A clear, self-color scarlet. A good grower. One of the most popular varieties.

3 for 25c; doz. 80c.

**Duches of York.** Beautiful, purple-blue. Large, open flowers, well placed on erect, strong stems.

3 for 40c; doz. \$1.50.

**Giant Nymph.** A standard rose-pink which is very popular. Fine cut flower and excellent placement. One you will like.

3 for 25c; doz. 75c.

**Golden Dream.** One of the best. Deep, clear yellow. Very tall, with 5 or 6 flowers open at a time.

Each 20c; 3 for 50c; doz. \$1.75.

**Golden Frills.** Deep, rich daffodil-yellow, with very fine, pink lines on lower petals, intensely waved or frilled. Flowers large and of beautiful form. This is the best yellow Primulus yet seen.

3 for 25c; doz. 90c.

**Gloriana.** Pale salmon on buff ground, without markings. A distinct and lovely color. Flowers of medium size, great substance. Five open on tall, strong stalk.

3 for 50c; doz. \$1.75.

deeper-colored center; a faint violet suffusion adds to **Halley.** Large flower of exquisite shade of delicate salmon-pink.

3 for 20c; doz. 55c.

**Jacoba Von Beijeren.** Tall, soft purple, with practically no markings. Many open. Very fine.

3 for 25c; doz. 90c.

**Joe Coleman.** Large ruffled flowers of rich red. Long, large spikes.

3 for 20c; doz. 55c.

## Collections of Gladiolus

	Each	3 for
Dr. F. E. Bennett.....	\$ .10	\$ .25
Gloriana .....	.20	.50
Golden Dream .....	.20	.55
Minuet .....	.25	.65
Mrs. W. H. Phipps.....	.25	.65
Mrs. Leon Douglas.....	.10	.25
Purple Glory .....	.10	.25

COLLECTION of 1 each \$1.35 value for \$ .95

COLLECTION of 3 each \$3.05 value for \$2.30

**Marietta.** Geranium-pink, darker throat. An excellent variety.

3 for 25c; doz. 90c.

**Minuet.** A self-colored lavender. Rich, very large flowers of heavy substance.

Each 25c; 3 for 65c; doz. \$1.75.

**Mr. W. H. Phipps.** La France pink, overlaid with light rose-salmon. Enormous flowers, almost all open at once. Given highest rating over all others by the American Gladiolus Association, 1925.

Each 25c; 3 for 65c; doz. \$2.50.

**Mrs. F. C. Peters.** Tall, rose-lavender, with deeper blotch. The finest late lavender generally grown. Excellent form and splendid cut flower.

3 for 25c; doz. 90c.

**Mrs. Leon Douglas.** New. Handsome, stately variety. Giant, graceful flowers 5 to 6 inches across on tall spikes. Ground color, rich salmon-pink, overlaid and beautifully penciled, brilliant, flame-scarlet. Pale lemon throat, slightly speckled ruby.

3 for 20c; doz. 60c.

**Mrs. W. P. Sisson.** Clear, cameo-pink. A prize winner. Beautiful.

3 for 40c; doz. \$1.50.

**Purple Glory.** A rich, intensely ruffled flower of deep, velvety-maroon, with almost black blotches. Very popular.

3 for 25c; doz. 70c.

**Richard Diener.** Unquestionably the most beautiful pink to be found in any flower. Blossoms large and flaring and most beautifully arranged on spindle.

3 for 25c; doz. 70c.

**Fine Mixed Gladiolus.** Large variety of fine flowers unequalled for the price.

Doz. 25c; 50, 90c; 100, \$1.50.

## MONTBRETIAS

Of the same family as Gladiolus, Montbretias are hardier and increase more abundantly. A great improvement over the old varieties. In good soil they will easily grow 4 feet. Their spikes are producers for months. Prices are postpaid to fourth zone.

**California.** Clear yellow. **Fire King.** Scarlet red.

3 for 40c; doz. \$1.25. 3 for 40c; doz. \$1.25.

**Improved Aurentica.** Orange yellow.

3 for 40c; doz. \$1.25.

**Talisman.** Dark scarlet. **Lord Nelson.** Orange.

3 for 40c; doz. \$1.25. 3 for 40c; doz. \$1.25.

**Mixed,** 75c.



## JAPANESE IRIS (Kaempferi)

All the colors of the rainbow are gathered into their wonderful, vivid, yet harmonious shadings and silky texture. They average about 4 feet in height, with flowers 5 to 7 inches across, although in the hands of experts they reach the great size of 12 inches. They are surely worth a choice place in every garden. Each year the clumps increase in size and the flowers become more beautiful.

**CULTURE:** They are very unlike Hardy Iris in culture. Japanese Iris requires plenty of water and good soil to get the best blooms. They do especially well on the borders of streams or ponds. A good dressing of bone meal is a big help when planting. Plant about 3 inches deep and 12 inches apart.

Named Varieties, each 35c; doz. \$3.25

**Choseiden.** Ruby-crimson; white halo surrounds the yellow blotches, radiating into broad line; petaloid stigmas light violet. Double.

**Date Dogu.** Rich, claret-red, with orange blotches. A beautiful, three-petaled blossom. Single.

**Hatsushima (First Frost).** Pure white, yellow blotches; standard white; petaloid stigmas creamy. Early. Single.

**Kioma-funjin (Excited Bear).** Purple, overlaid with navy-blue; two standards; petaloid stigmas purple and blue. Very large orange blotches. Double.

**Kuro-Kumo.** Purple, overlaid with dark blue; yellow blotches; stigmas dark blue, bordered purple. Double.

**Kyodaisan.** Purple, overlaid with cerulean-blue; orange blotches radiating faint white lines. Double.

**Nishiki-No-Shitone.** Claret-purple, speckled with lilac, the yellow blotches surrounded with blue halo, radiating into lilac lines; standards vinous-purple; petaloid stigmas dark violet. Single.

**Oku-Banri.** Gray, feathered and penciled rich violet; yellow blotches; standard dark purple; stigmas dark violet.

**Sano-Watashi.** Pure white; yellow blotches; petaloid stigmas white. Large flower. Double.

**Uji-No-Sato.** Blue and purple, heavily feathered; white, yellow blotches; standard blue, edged white; petaloid stigmas white, tipped blue. Very large. Single.

**Wase-banri.** White, shaded with purple; yellow blotches radiating into purple veins; petaloid stigmas vinous-purple. Early. Single.

**Zama-No-Mori.** White, very slightly shaded with foggy-blue; yellow blotches radiating into delicate feathers; petaloid stigmas large, tipped with light blue. Single.

**Japanese Iris Mixture.** Double and single. No named varieties. All colors and shades.

Special prices, each 20c; doz. \$2.00. Write for quantity prices.

## HARDY IRIS

**Fleur de Lis or Flag Lilies.** The growing of the Iris is greatly increasing each year on account of their rare beauty as well as ease of growing. They are hardy, drouth resisting. They come at a time when the garden needs their color. They bloom the first season after planting and soon form big clumps which are easily divided and transplanted. Cultivation is easy. Sunny situation needed. Soil dry and well drained; hardy Iris cannot stand water around the roots. Spread the roots out and pack the soil. No fertilizer should touch rhizomes. Water about once in two weeks until well established. Bone meal and ground limestone are good fertilizers.

### Special Mixture of Hardy Iris

These are our regular grade Iris as shown in list, but some get mixed. They will make a beautiful showing at a wonderfully low price. Order early, as stock is limited.

100 for \$5.00

Named Varieties, strong roots, each 15c; doz. \$1.50, except as noted. Mixed Varieties, doz. \$1.00.

(S. indicates Standard or part of flower remaining upright. F. is the Falls or drooping part of flower.)

**Afterglow.** Misty lavender, lit with yellow at the center. 3-4 feet.

Each 25c.

**Alcazar.** S. light, bluish-violet. F. deep purple-bronze, veined at throat. 4 feet.

Each 25c.

**Ambassadeur.** S. dull, purplish-bronze. F. deep, velvety maroon. Beards and styles yellow. 4 feet.

Each 25c.

**Caprice.** S. soft, rosy-red. F. deep, rosy-red.

**Her Majesty.** S. rose-pink. F. bright crimson, tinged darker shade.

**Juniata.** S. and F. clear, deep blue. Tallest of bearded Iris. Fragrant.

**Lohengrin.** S. and F. uniform shade of Cattleyea rose. Large.

**Ma-Mie.** S. and F. pure white, with blue penciled border.

**Monsignor.** S. crimson, inner petal ivory. F. crimson, edged lavender.

**Nibelungen.** S. olive-green. F. yellow, purple and white.

**Pallida Dalmatica.** S. and F. a light steel-blue. Best known of all Irises.

**Perfection.** S. light blue. F. darker, velvety-violet and black, orange beard.

**Queen-of-May.** Soft, lilac-pink.

**Walhalla.** S. lavender. F. wine.

**IRISES (By F. F. Rockwell).** A handy guide which will bring you success with Irises and show new uses and effects possible in your garden. Describes the dwarf, early, German, Japanese, Siberian, water, crested, Spanish, English, Dutch and other types. Tells the best soils; what fertilizers to use; how to plant, and what care is necessary. Tells how to propagate stock for your own use. 54 illustrations, 80 pages.

Price \$1.00; postage 10c.

## PEONIES

Nothing could be more delightful than a garden of glorious, fragrant Peonies. Whether in landscape, border, flower bed or garden, Peonies make a gorgeous display. Few flowers give so much satisfaction for such little care. Insects seldom bother them and they are not often troubled with disease. They will thrive in almost any soil or climate and each year they become increasingly beautiful.

**CULTURE.** Fall is the best time to plant Peonies, although planting may be done in early spring with good results. Peonies prefer a clay soil, but will thrive in any good loam. Prepare bed long enough in advance to allow settling before planting. Plant immediately upon arrival. If roots are dry when received, soak them over night before planting. Do not cover crown with more than 2 inches of soil. Do not plant near trees or buildings. A cover of straw the first winter is recommended for protection from freezing.

### White Varieties

**James Kelway (Kelway).** Exquisite white. Very fragrant. Fine variety. Mid-season.

Each \$2.25.

**Avalanche.** A large, milk-white flower of perfect form. The base is of soft yellow and a few petals are flecked with carmine. A strong grower, blooming profusely and fragrant.

Each \$1.25.

**Baroness Schroeder.** Plume-shaped flower with irregular and fringed petals. Opens a blush, changing to milk-white. Delicate odor. Very free bloomer. One of the best grown.

Each \$1.25.

**Duchesse De Nemours (Calot).** White, tinged sulphur and sometimes pale green. Mid-season.

Each 85c.

**Festiva Maxima.** Large, rose type. White, with crimson markings in the center. One of the best. Fragrant.

Each 85c.

**La Tendresse.** Early, rose type, with very full, spreading flowers of immense size in clusters. Petals thick and wax-like. Color milk-white, guards slightly splashed and center flecked with crimson.

Each 85c.

### Red Varieties

**Adolph Rousseau.** Semi-double type, purple-garnet. Tall plant. Free bloomer. Dark foliage, veined red. One of the best for landscape effect. Early.

Each \$1.65.

**Charles McKellip (Brand).** A rich, bright red. Large flowers.

Each \$3.65.

**Felix Crousse.** Bomb type. Brilliant red, good odor, vigorous grower, with spreading habit. Blooms freely in clusters. One of the most enjoyable peonies and one of the best reds.

Each \$1.25.

**Karl Rosenfield.** Semi-rose. Velvety-crimson. Mid-season. No odor. Strong and healthy. Free bloomer in clusters. Large and fine for cut flowers as well as landscapes.

Each \$1.25.

**Louis Van Houtte.** Semi-rose. Dark crimson, tipped with silvery, with fiery reflex. Medium height. Fragrant.

Each \$1.25.

**Officinalis Rubra.** Earliest of good reds. A large, round bloom of vivid crimson. Generally in bloom on Memorial Day.

Each 85c.

**Richard Carvel (Brand).** Highly recommended by the introducer as the best early red, and it was included by the late Gertrand H. Farr in his list of the 12 best peonies. The red has a ruby shade and somewhat resembles Felix Crousse, but the color is brighter.

Each \$2.25.

**Rubra Superba.** Rose type. A brilliant dark crimson. Large, full double. Without stamens. Fragrant.

Each \$1.25.

### "Name Lost" Peonies

Peonies on which the names have become misplaced. Some are of the highest-priced varieties. We offer these at the especially low price of:

Each 35c; 3 for \$1.00

Separate Colors—Red, White or Pink, each 50c  
3 for \$1.40 postpaid

### Single Varieties

**Albiflora.** Large, single, paper-white, long, yellow stamens, blooming in clusters. Tall, early and fragrant.

Each \$1.25.

**Apple Blossom.** Delicate pink, shaded darker, resembling huge apple blossom.

Each \$2.75.

**Florestine.** A beautiful, dark-red single type, large size. Very special for this climate.

Each \$2.25.

**Some Ganoko.** Very dark red, with satiny reflex petals, yellow center. The very finest.

Each \$5.25.

### New and Rare Varieties

**Grandiflora Nivea Plena (Lemoine, 1824).** Rose. Early. Medium. Guards milk-white, the collar cream-white. Center petals have delicate salmon and sulphur tints.

Each \$1.25.

**Mons. Martin Cahuzac.** Dark, purple-garnet, with black reflex. Mid-season. Very large.

Each \$1.75.

**Octavie Demay.** Pink and white. Large, flat crown. Guards delicate flesh-pink, narrow collar of white petals, center of deeper pink. Habit of plant low. Fragrant and very early.

Each \$1.25.

**Reine Hortense.** Hydrangea-pink with flecks of crimson Semi-rose type. Large, compact, tall growing.

Each \$2.25.

**Sarah Bernhardt.** Flat, compact, semi-rose type. Uniform mauve color. Penetrating fragrance.

Each \$2.25.

**Therese.** Very soft pink, lilac-white center, with reflex. Mid-season. Strong stems, enormous flowers.

Each \$3.75.

**Tokio.** Guard petals broad, soft pink. Large, central tuft of yellow petaloids. Considered the best pink Japanese variety. Very scarce.

Each \$8.00.

### Pink Varieties

**Asa Gray (Crousse, 1886).** Semi-rose. Mid-season. Guard petals salmon-flesh. Center of bloom full and perfect, delicate lilac, sprinkled with minute dots of deeper lilac. Large, imbricated bloom.

Each \$1.25.

**Charlemagne.** Salmon-pink. Very double and full.

Each \$1.25.

**Duchess d'Orleans.** A deep pink, salmon center. Early cut flower. Each 65c.

**Kelway's Media.** A deep, clear pink of exceptional beauty of form. Highly recommended.

Each \$2.25.

**Lady Bramwell.** Beautiful pink of the finest form.

Each 85c.

**Livingstone.** Rose type, a pretty pink flecked with carmine. Blooms in clusters. Late. Each \$1.25.

**Madame Breon.** A light pink, of full, compact form. Very attractive, large flowers.

Each \$1.25.

**Madame Lemonier.** Rose type, soft lilac-pink, changing to lilac overcast with white. A large, compact flower. Mid-season. Fragrant, vigorous grower.

Each 85c.

**Triomphe De Lille.** Large, compact, rose type. Light, shell-pink, splashed violet-rose. Guard petals nearly white. Strong grower and free bloomer. Mid-season.

Each \$1.25.

## ROSES

**American Beauty (W.)**. One of the largest, sweetest and best of all hardy roses. It is a quick grower, constant bloomer, making magnificent buds and large, bold flowers. Color rich rosy crimson, shaded and veined in the most charming manner.

Each 65c.

**British Queen (H.T.)**. Pure white, large, full flowers, opening freely. One of the best white roses for bedding and cutting. Stiff, slender stems, free and fragrant.

Each 65c.

**Cheerful**. Shining pink, orange and yellow shadings. Truly "cheerful".

Each 90c.

**Columbia (H.T.)**. Peach blow pink, deepening as it opens to a glowing pink. A striking peculiarity of this rose is that the shades all deepen as the rose opens. Single buds, long stems, splendid for cutting. Nearly thornless. Free from mildew.

Each 65c.

**Constance (Pern.)**. Rich orange yellow, distinctly streaked and splashed with crimson. Long, pointed buds. Free bloomer.

Each 90c.

**Charles K. Douglas (H.T.)**. Scarlet-crimson. Its buds are long-pointed and well formed. The fairly large, semi-double flowers are striking scarlet with a crimson suffusion that turns lighter as the flower ages. Foliage will resist disease. Splendid as a bedding rose. Blooms from early June until hard frost.

Each 75c.

**Dame Edith Helen (H.T.)**. Paul Neyron pink. An exhibition and cut-flower rose. The large, ovoid bud opens into a full, big rose of a solid pink, long lasting and very sweetly scented with the true old rose perfume. The blooms are very long lasting when cut.

Each \$1.00.

**Dorothy Page Roberts (H.T.)**. Coppery-pink, suffused with apricot-yellow. Free and perpetual. Delightful garden rose.

Each 90c.

**Duchess of Wellington (H.T.)**. Intense saffron-yellow, stained with rich crimson, which as the flower develops becomes deep, coppery-saffron yellow. Delightfully fragrant.

Each 65c.

**Edward Mawley (H.T.)**. Long, pointed buds of deep, rich, velvety crimson. Growth is upright and branching. with handsome foliage. One of the finest red roses.

Each 90c.

**Evening Star (Pern.)**. A sport of Madame Edouard Herriot. Color much more brilliant. Deep coral, shaded yellow and red. Ever-blooming tendencies.

Each 80c.



CONSTANCE

**Etoile de Hollande (H.T.)**. Crimson-scarlet. The long, pointed bud is deep red in color, opens to a large, semi-double, brilliant crimson-scarlet, with a velvety sheen. Vigorous habit. Ideal for a bedding rose. Foliage is disease resistant. Unusually winter hardy.

Each \$1.00.

**Frau Karl Druschki (H.P.)**. The white American Beauty. Makes splendid buds and immense flowers, perfectly double.

Each 65c.

**General Jacqueminot (H.P.)**. Bright, shining, crimson, very rich and velvety, large and full. Rich fragrance. Each 50c.

**General McArthur (H.T.)**. Dazzling crimson scarlet. Delicious perfume and magnificent foliage. Blooms in great profusion. Not subject to mildew.

Each 65c.

**George Dickson (H.P.)**. Very large, full and perfectly formed flowers, freely produced. Color blackish crimson, of velvety texture; reverse of petals heavily veined with crimson-maroon. A magnificent rose.

Each 55c.

**Gorgeous (H.T.)**. Strong, vigorous growing, with handsome olive-green foliage. Color deep orange-yellow, heavily veined reddish-copper.

Each 90c.

**Gruss an Teplitz (H.T.)**. Fiery crimson, very fragrant. Free blooming. A mass of gorgeous blooms on long stems.

Each 65c.

**Hoosier Beauty (H.T.)**. Crimson-scarlet with darker shadings, velvety texture. Bud long and pointed. Deliciously fragrant.

Each 65c.

**Hugh Dickson (H.P.)**. Glowing crimson, shaded scarlet. A strong grower and perpetual bloomer. Should be cut back freely.

Each 65c.

**Independence Day (H.T.)**. Sunflower gold, flamed and stained coppery old gold and orange. One of the best. Each 80c.

**Imperial Potentate (H.T.)**. A rich, rosy-carmine flower, solid and lasting. Sweetly scented. Beautiful buds. A vigorous, strong, healthy grower.

Each \$1.25.

**Irish Elegance (H.T.)**. Bronzy-pink buds, opening with shades of apricot and yellow. Very strong growth and continually in flower. Perhaps the best liked and most planted single rose.

Each 65c.



CHEERFUL

**Irish Fireflame (H. T.).** Orange-crimson blooms, shaded pink and gold. Very large (5 inches across). Pleasing fragrance. Strong growth and profuse bloomer. A famous rose, excellent in bud, fine for buttonhole.

Each 65c.

**Isobel (H. T.).** Single rose. Rich crimson, flushed orange-scarlet, with pure yellow center. Fragrant.

Each 90c.

**Juliet (Pern.).** A wonderful combination of old gold on the outside of petals and a rich, rosy red on the inside. Flowers large, full and delightfully scented.

Each 65c.

**Killarney (H. T.).** An exquisite shade of deep shell-pink, lightened with silvery-pink.

Each 65c.

**K. OF K. (H. T.).** Most intense scarlet known. Semi-single, huge petals. Free bloomer, sweet scented.

Each 65c.

**Lady Hillingdon (T).** Deep apricot-yellow, long and pointed bud. Flowers are of good substance and very lasting. Foliage luxuriant. A fine forcing or garden rose.

Each 65c.

**La France (H. T.).** Exceedingly sweet and handsome. Flowers and buds large size. Color lovely shade of silvery-pink, tinged with crimson. Fragrance delicious. Flowers very full, beautiful.

Each 65c.

**Lady Margaret Stewart (Pernet).** Yellow. The 1928 winner of the Gold Medal at Bagatelle, France, the most coveted prize in the rose world. The color is tangerine-orange, Indian-yellow and carmine. The pointed bud opens in a large, full bloom of deep sunflower-yellow, the reverse of the petals heavily shaded orange-brown. A delightfully fragrant rose that you can depend on for exhibition blooms.

Each \$1.25.

**Margaret McCredy.** Orange-scarlet. A prolific producer of perfect, medium-sized blooms, regularly imbricated. The plant is also notable for its upright habit and beautiful, lasting foliage. Its large, long-pointed buds open to a brilliant scarlet flower overlaid with orange-vermilion, and having a golden half-moon at the base of the petals.

Each \$1.00.

**Miss Rowena Thom (H. T.).** Rose-pink. The large, ovoid buds are long and are beautifully pointed, expanding to perfect, double flowers of much substance which frequently open 5 inches across. It is a giant rose. The color is brilliant, dark rose-pink with a golden glow at the base of the petals.

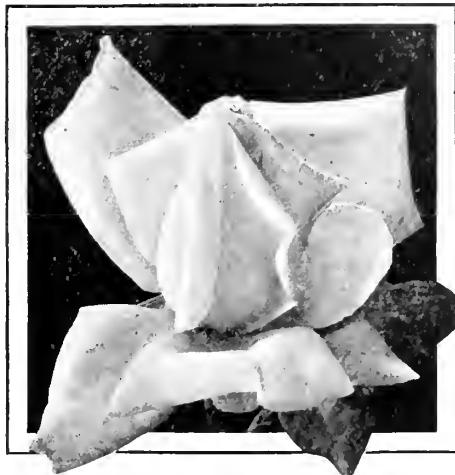
Each \$1.25.

**Maman Cochet, Pink or White (T.).** The finest Tea Roses ever produced. Magnificent buds opening into flowers of grand size. Very lasting and of sweet pea scent. Deep, rosy pink, shaded silvery-rose. Fine for massing in beds.

Each 65c.

**Miss Lolita Armour (H. T.).** A magnificent rose. Color chrome-yellow at base of the petals, shaded to coppery-orange. Flowers very large, of finest form, on stout stems.

Each 65c.



PINK MAMAN COCHET

**Mme. Butterfly (H. T.).** Sport of Ophelia. Brilliant pink, suffused apricot and gold. Buds are lovely for corsages. Wonderfully fragrant.

Each 65c.

**Mme. Caroline Testout (H. T.).** A grand rose of the La France type, but with flowers larger and finer. Color bright satiny-pink. Very fragrant and free in bloom. The official rose of Portland, the Rose City.

Each 65c.

**Mme. Edouard Herriott (Pern.).** Coral red, shaded yellow at base, passing to shrimp red, bronze and geranium. Hardy, vigorous.

Each 90c.

**Mrs. Dunlap Best.** A wonderfully strong growing and free blooming new rose from England which we regard as one of the very finest sorts. Color deep reddish apricot, shaded to golden yellow at base of petals. Leathery bronze-colored foliage clothes the long, stout canes. Splendid garden and decorative rose.

Each 90c.

**Mrs. Charles E. Russell (H. T.).** "American Beauty" cannot compete with it when it comes to counting points. Stems 3 feet long, stiff and surmounted by grand rose-pink blooms.

Each 65c.

**Ophelia (H. T.).** Orange-salmon buds, opening to flowers of dainty pink. The foliage is clean, dark and leathery. Growth vigorous and free, producing long canes. Blooms early and continuously.

Each 75c.

**Paul Neyron (H. P.).** Deep, shining pink rose, blooms freely. The largest variety in existence. Finely scented. Blooms first season and all summer. Grows to a great height first season. Stems almost thornless.

Each 60c.

**Padre (H. T.).** Coppery scarlet, flushed yellow at base. Flowers semi-double with 15 to 20 petals, often curiously notched. Exceptionally free bloomer.

Each 80c.

**Papa Gontier (T.).** A vivid cherry red color, shaded yellow, reverse of petals crimson.

Each 65c.

**Rose Marie.** One of the best bedding roses grown. Remarkably free flowering, producing large, long, ideal buds which develop into full flowers of beautiful form of a most pleasing clear rose-pink.

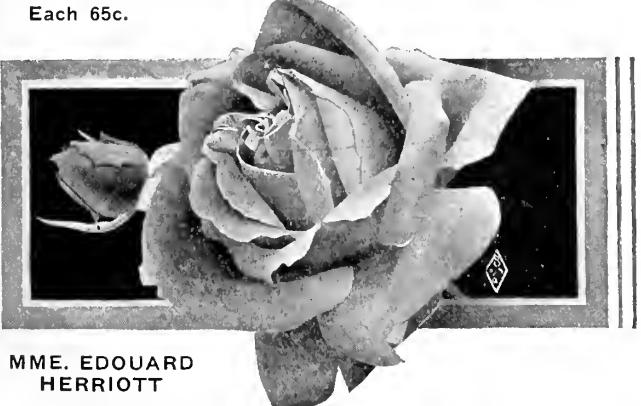
Each 75c.

**Shot Silk (New).** Coppery rose, overshot with apricot and yellow. Beautiful.

Each \$1.00.

**Souvenir de George's Pernet (H. T.).** Oriental red, tips of petals touched with cochineal. Entire flower faintly shaded with yellow. Very large and full on strong, stout stems. Extremely hardy. One of Pernet Duchere's finest productions.

Each \$1.00.



MME. EDOUARD HERRIOTT

**Souv. de Claudius Pernet (H. T.).** On the order of Constance or Golden Emblem, but with large, elongated and beautifully formed buds. Clear, brilliant yellow. Wonderful foliage.

Each 90c.

**Sunburst (H. T.).** Fine yellow flowers, strongly suffused with orange at the center. Fragrant and well shaped. Plant spreading. Very beautiful.

Each 65c.

**Sunstar.** Deep, orange-yellow edged, veined and splashed crimson.

Each 90c.

**The Queen Alexandra (H. T.).** A most distinct rose by reason of the shading of its vermillion petals to old gold on the back and at base.

Each 80c.

**Talisman.** The most gorgeous array of colors ever presented in a rose. A winner of a great number of gold medal awards. Produces long, pointed buds that develop into medium-size, double flowers. A free bloomer, with glossy-green foliage and strong plant growth. The color is a combination of gold, apricot-yellow, blood-orange, deep pink and old rose.

Each \$1.25.

**Ulrich Brunner (H. P.).** Extra large, bold flowers, full and globular. Color rich, glowing crimson, elegantly flamed with scarlet. Strong and disease resisting.

Each 60c.

## CLIMBING ROSES

**American Beauty (W.).** Rich crimson color. Delightfully fragrant. Very free bloomer.

Each 75c.

**American Pillar (Mult.).** Brilliant crimson pink, single flowers of medium size, with large, white centers and golden stamens. Profuse bloomer. Tremendous clusters. Vigorous plant. Rather late.

Each 75c.

**Climbing Cecile Brunner (Poly.).** In this fine rose we have the exact counterpart of Madame Cecile Brunner, the beautiful little polyantha rose, except that this is a rampant climber, growing to a great height in a few years. The flowers are produced in clusters and, like the bush variety, are of exquisite form and color, being a rosy pink on a creamy white ground. Flowers are delightfully fragrant and are produced so freely as to simply hide the bush. A gem among climbing roses.

Each 75c.

**Dr. Van Fleet (W.).** Flowers large with high built center and petals beautifully undulated and cupped. Color the most beautiful shade of shell pink ever seen in a rose. A rank climber, immune from mildew.

Each 75c.

**Dorothy Perkins Rambler (W.).** Polyanthus type. A beautiful pink, red and white. Large, double flowers.

Each 50c.

**Emily Gray.** Light orange-yellow, buds long and pointed, on stiff stems of good length for cutting. Holly-like, glossy foliage.

Each 75c.

**Frau Karl Druschki (H. P.).** The white American Beauty. Makes splendid buds and immense flowers. Perfectly double.

Each 75c.

**General McArthur (H. T.).** Dazzling crimson-scarlet. Delicious perfume and magnificent foliage. Blooms in great profusion.

Each 75c.

**Hiawatha Rambler (W.).** Ruby-crimson with a clear white eye. Large, single flowers in clusters. Excellent for climbing, trailing and forcing.

Each 75c.

**Hoosier Beauty (H. T.).** Identical with bush variety as to flower. It is a rampant climber. Crimson flowers, shaded to black.

Each 75c.



TAUSENDSCHEIN RAMBLER

**H. V. Machin.** A splendid exhibition rose in great demand by exhibitors at the English rose shows, where it has made a name for itself because of its grand scarlet-crimson flowers of such wonderful size and form.

Each 75c.

**Kaiserin A. Victoria (H. T.).** Strong, rapid growing, climbing form of the popular rose. Fine, large, ivory white flowers.

Each 75c.

**Lady Ashtown.** Large, rose-colored flowers, blooming all season, in immense numbers.

Each 75c.

**Marechal Neil (N.).** A magnificent, deep, golden-yellow variety. So famous as to need no description. Finest of its color.

Each \$1.00.

**Mme. Caroline Testout (H. T.).** Immense globular flowers of the same beautiful shade of pink as seen in the bush sort. A rampant climber.

Each 75c.

**Paul's Scarlet Climber (H. W.).** The most brilliant rose in any class because of its vivid, shining scarlet in large, semi-double flowers, which retain their intense color until petals fall.

Each 75c.

**Pink Cherokee.** Lovely single blossoms, 3 to 5 inches in diameter, saucer shaped and of a beautiful shade of light pink.

Each 75c.

**Silver Moon (W.).** Similar in habit of growth to Dr. Van Fleet, but with large, saucer-like, single flowers of silvery-white color. Flowers of wonderful substance on long stems.

Each 75c.

**Sunburst (H. T.).** A splendid climber of the same beauty and freedom of bloom as the bush form of this popular rose.

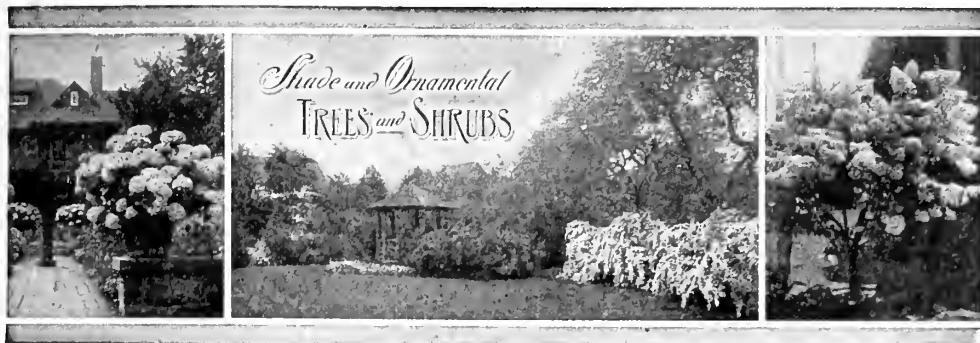
Each \$1.00.

**Tausendschön Rambler (Mult.).** A lovely shade of soft pink. Bright clusters of blossoms almost covering foliage. Very few thorns. Free and vigorous; Splendid foliage.

Each 75c.

**William A. Richardson (N.).** Rich, coppery-yellow, flushed carmine. A beautiful variety.

Each 75c.



## DECIDUOUS SHRUBS

Deliveries made from November until May. Orders are accepted at any time for delivery in season.

We use every precaution to deliver healthy, vigorous stock, but the measure of your success will depend upon the planting and care given. Avoid unnecessary exposure of roots to the air. In the case of evergreens that are "balled", do not remove the burlap. Plant as received, only cut the string around the top, then loosen burlap after the tree is set. If you cannot plant immediately on receipt, always "heel" in so roots may be in contact with good soil.

If the soil is good and properly prepared, only a hole large enough to easily take the roots need be dug, but better results can always be obtained by digging out a large space and filling in with good top soil. In setting trees, do not put deeper than they stood in the nursery, excepting some dwarfs, which go a little deeper. Be sure to pack earth solidly around roots. Neglect of this causes many failures.

**ALMOND** (*Prunus*). Pink Flowering (*P. Japonica*). Well known, early, dwarf shrub. Double, clear pink, little roses festoon the gracefully bending branches. Height at maturity, 4 feet. Shipping size, 24-36 inches.

Each \$1.00.

**ALTHEA** (*Rose of Sharon*). Late summer blooming; continues into fall, bearing flowers that closely resemble Hollyhocks in color and size. Colors pink, white or red. Maturity height, 10 feet. Shipping size, 36 inches.

Each 75c.

**AZALEA** (*A. Mollis*). Tall growing. In early spring is covered with gorgeous flowers before the leaves appear. Excellent planted under trees or in groups. Cannot guarantee colors, mostly orange, yellow and salmon-pink. Maturity height, 6 feet. Shipping size, 12-18 inches.

Each \$2.50.

**BROOM** (*Genista*; *Scotch Scarpius*). Rapid growing, bearing clusters of bright yellow flowers in spring. Maturity height, 10 feet. Shipping size, 3 feet.

Each 75c.

**BUDDLEYA** (*Magnifica*; *Summer Lilac*). Produces long, straight, slender branches that terminate in long spikes of lilac-like flowers of a beautiful shade of lavender-blue. Commences to bloom in June and continues until frost. Fine subject for lawn or tall hedge. Maturity height, 6 feet. Shipping size, 24-30 inches.

2-year plants, each 75c; small plants, each 35c.

**CALYCANTHUS** (*Floridus*; *Sweet-Scented Shrub*). Double, dark crimson flowers, very fragrant and blooms all season. Maturity height, 5 feet. Shipping size, 24-30 inches.

Each 75c.

**CEANOTHUS HYBRIDUS** (*Marie Simon*). This is a pink flowering form with erect, bushy growth, producing a wealth of plump flower sprays in a light salmon-pink color. A neat flower to cut and a free bloomer. Plant in sunny locations only.

Each \$1.50.

**BECHTEL'S FLOWERING CRAB**. Bears masses of double rose-like flowers of delicate pink color and delightful fragrance. Tree shape. Maturity height, 10 feet. Shipping size, 3 feet.

Each \$1.50.

**DEUTZIA**. Especially suited for shady positions.

**Gracilis**. One of our daintiest and most graceful flowering shrubs. Low growing, slender branches, covered with a profusion of flowers. White with a blush of pink in the bud. Shipping size, 18-24 inches.

Each \$1.00.

**Lemoinei** (*D. Lemoinei*). One of the hardiest and most popular varieties. Flowers in large clusters of pure white. Grows to 6 feet high. Shipping size, 24-30 inches.

Each 75c.

**Pride of Rochester** (*Deutzia Crenata*). Pure white, tinged with blush. Flowers very double, blooming May and June. Maturity height, 6 feet. Shipping size, 24-30 inches.

Each 75c.

**Wateri** (*D. Crenata Flora Rosa Plena*). Beautiful, dainty double pink flowers. A fine lawn subject. Very showy. Grows to 6 feet. Shipping size, 24-30 inches.

Each \$1.00.

**FORSYTHIA** (*Golden Bell*).

**F. Fortunei**. Blooms in dense masses of golden-yellow flowers in early spring. Beautiful as a lawn specimen. Shipping size, 3 feet.

Each 75c.

**Intermedia**. One of the finest shrubs for early spring blooming. Yellow flowers appear before leaves. Height at maturity, 4 feet. Shipping size, 3 feet.

Each \$1.00.

**HONEYSUCKLE** (*Bush: Pink Tartarian*). Bushy, upright growth. Flowers freely. Red and orange berries stay on until fall. Maturity height, 8 feet. Shipping size, 18-24 inches.

Each 75c.

**HYDRANGEA** (*Japanese Otaksa*). One of the most popular lawn plants. The flowers run in shades of pink, blue and white, the minerals in soil often changing them to two or three shades in one. For shady places. Maturity height, 4 feet. Shipping size, 12-30 inches.

Each 75c to \$1.50.

**Paniculata Grandiflora** (*Tree Hydrangea*). Grows to 6 feet high. Flowers are in cone shape on ends of branches, pure white, afterwards changing to pink, remaining on tree until frost. Shipping size, 3 feet.

Each \$1.00.

**KERRIA**. A very graceful shrub that bears bright yellow, rose-shaped flowers in early spring, vivid green branches. Showy in winter. Maturity height, 4 feet. Shipping size, 24-30 inches.

Each 75c.

**LILAC** (*Syringa Vulgaris*).

**Common Varieties (Not Grafted)**. Single, white or purple. Maturity height, 15 feet. Shipping size, 30-36 inches.

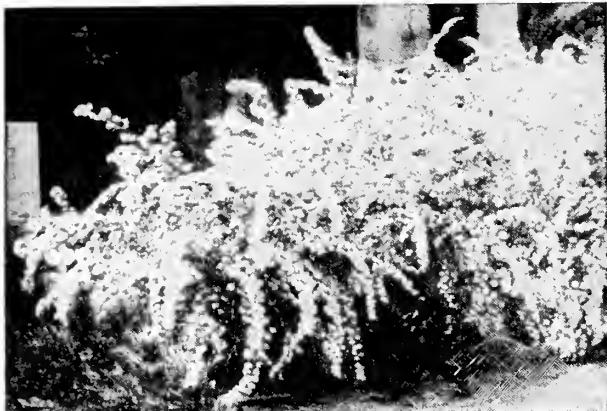
Each 75c.

**Grafted Varieties**. We can furnish the grafted varieties in double or single blooms and in white or purple colors. Maturity height, 15 feet. Shipping size, 3 feet.

Each \$1.25.

**MOCK ORANGES** (*Syringa*). Large, hardy shrub with a profusion of white, creamy flowers, very fragrant. Maturity height, 12 feet. Shipping size, 3 feet.

Each 75c.



BRIDAL WREATH SPIREA

**PRUNUS (Flowering Prune).**

P. *Bleriana*. Same as Pissardi in growth, but flowers double pink. Most beautiful of all and very rare. Maturity height, 20 feet. Shipping size, 3 feet.

Each \$2.00.

P. *Pissardi*. Foliage and fruit red, covered in spring with clouds of white flowers. Maturity height, 20 feet. Shipping size, 3-4 feet.

Each \$1.00.

P. *Vesuvius*. Foliage comes out light green, gradually getting darker until fall, when it is blood-red. Very showy fruit. Maturity height, 20 feet. Shipping size, 3-4 feet. Each \$1.50.

**QUINCE (Japanese Flowering).** Covered with bright, scarlet flowers very early in spring before leaves appear. Maturity height, 4 feet. Shipping size, 18-24 inches.

Each \$1.00; small plants, each 50c.

**SPIRAEA—Billardii's (S. Billardi).** Flowers red in dense spikes. Blooms most of summer. Maturity height, 4 feet. Shipping size, 24-30 inches.

Each 60c.

**Blue Spiraea.** Beautiful autumn blooming shrub. Flowers bright blue the entire length of stems. Maturity height, 4 feet. Shipping size, 18-24 inches.

Each 60c.

**Crimson (Anthony Waterei) (S. Bumalda).** A desirable variety. Deep red flowers, blooming all summer. Fine for foreground planting. Maturity height, 4 feet. Shipping size, 24-30 inches.

Each 60c.

**Japanese (S. Callosa).** Purplish foliage while young, flowers rosypink in July. Maturity height, 4 feet. Shipping size, 18-24 inches.

Each 60c.

**Thunbergii.** Charming spiraea with graceful form and abundant blooms. Maturity height, 4 feet. Shipping size, 24-30 inches.

Each 60c.

**Van Houetti's Bridal Wreath (S. Van Houetti).** Very graceful. Flowers white in clusters. May. Maturity height, 6 feet. Shipping size, 24-30 inches.

Each 60c.

**SNOWBALL (Common).** Flowers globular, pure white, in May. Maturity height, 12 feet. Shipping size, 24-30 inches.

Each 75c.

**TAMARIX (Juniperana; Africana).** Ornamental tree with soft, juniper-like leaves. Pink flowers. Maturity height, 14 feet. Shipping size, 24 inches.

Each \$1.00.

**WEIGELIA.** A most desirable, free-flowering shrub, covered in the late spring with a mass of trumpet-shaped flowers, showing a profusion of bloom that is unequalled. Maturity height, 12 feet. Shipping size, 24-30 inches. Each 75c.

## EVERGREEN SHRUBS

Deliveries are made from November until May. Orders are accepted at any time for delivery in season. We use every precaution to deliver healthy, vigorous stock, but the measure of your success will depend upon the planting and care given. Avoid unnecessary exposure of roots to the air. In the case of evergreens that are "balled", do not remove the burlap. Plant as received, only cut the string around the top, then loosen burlap after tree is set. If you cannot plant immediately on receipt, always "heel" in so roots may be in contact with good soil. If the soil is good and properly prepared, only a hole large enough to easily take the roots need be dug, but better results can always be obtained by digging out a large space and filling in with good top soil. In setting the trees, do not put deeper than they stood in the nursery, excepting some dwarfs, which go a little deeper. Be sure to pack earth solidly around roots. Neglect of this is responsible for many failures.

**ABELIA (Grandiflora).** Graceful evergreen shrub with small, glossy leaves and tubular-shaped flowers of a blush-pink color. Large, ruddy sepals remain long after the flowers fall, having the appearance of blooms themselves. Does not like to be crowded, as it is of a drooping nature and effect is spoiled if planted too close to buildings or other shrubs. Maturity height, 5 feet. Shipping size, 18-30 inches.

Each \$1.00; small plants, each 50c.

**AUCUBA (Japanese Laurel).** Gold Dust Laurel. Moderate size, very beautiful and covered with wonderful, large, red berries. It is necessary to have at least one green foliage plant to every three variegated if berries are desired, as there are both male and female plants of this variety and planted alone they will often be barren. Do not expose to extreme hot sun, as leaves are apt to burn. Maturity height, 5 feet.

**Japonica Variegated.** Yellow, spotted leaves.

**Japonica Green.** Dark, glossy, green leaves.

Shipping size, 18-24 inches, each \$1.50; 24-30 inches, each \$2.00.

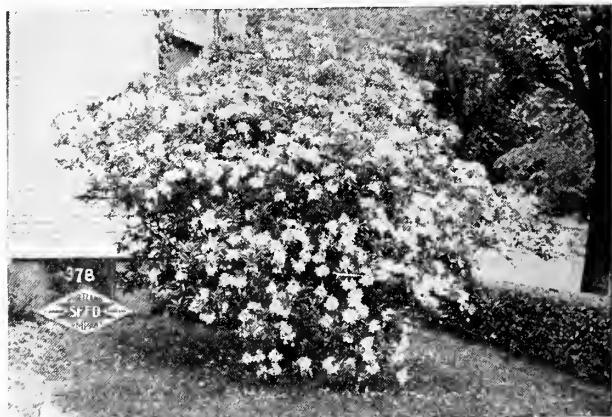
**AZALEA (Asahi). Crimson (A. Hinodegri).** Evergreen from Japan. Bright, minute, waxy foliage that turns gamete in winter. Loaded in early spring with masses of scarlet flowers which almost cover the plant. Thrive best in cool, moist situation. Do not plant in full sunlight. Excellent for massing or in front of other shrubs. Maturity height, 3 feet.

Choice plants, shipping size 10-12 inches, each \$1.75; small plants, each 85c.

**BOXWOOD (Buxus).** One of the longest-lived shrubs known. Small leaved, of dense, compact growth. Can be used in tubs or for low hedge work and trimmed into any form.

Globe form, 12 to 15 inch spread, 15 to 18 inches high, each \$1.50; small plants, each 50c.

For hedges, write for prices on quantity desired.



WEIGELIA

**BARBERRY** (*B. Darwini*; Chile). Shrub with slender branches, drooping toward tips. Leaves shaped like holly. Flowers golden-yellow, berries blue. Foliage turns red in winter. Slow growth. Maturity height, 4 feet.

Shipping size 6-8 inches, each 60c; 12-18 inches, each \$1.00.

**Thunbergii Atropurpurea** (New Red-Leaved Barberry). Identical with well-known, green-leaved Japanese, except the color, which is bright scarlet that does not fade during the summer. More intensified in the fall, changing to vivid orange-scarlet and shades of red. Strong, 2-year-old plants, \$1.25.

**B. Wilsoni** (China). One of the most attractive winter shrubs, being covered with clusters of cone-shaped red berries that completely cover it all winter. Do not plant too close to other shrubs, as it becomes bushy. Grows to 5 feet. Long spikes.

Shipping size 12-15 inches, each 85c; 18-24 inches, each \$1.25.

**DAPHNE** (China and Japan).

**D. Odora Marginata** (Pink Daphne). A grand shrub, greatly admired everywhere. The flowers are intensely fragrant, massed in dense clusters of pink at ends of branches. Leaves are edged white. Blooms very early in spring. Of slow, substantial growth. Maturity height, 4 feet. Shipping size, 24-30 inches.

Each \$2.50.

**CAMELLIA** (China and Japan). Small trees with shining, waxy leaves and waxy flowers, resembling small roses. Thrive best in partial shade. Grow very slowly, but begin blooming when extremely young. Should have protection in cold regions, as buds set in late fall and blooms come very early in spring. Maturity height, 10 feet. In assorted colors only, mostly red and pink.

Shipping size 1 to 1½ feet high, each \$2.50; small plants, \$1.50.

**COTONEASTER** (*C. Franchetti*; China). Growth upright, distinguished by its very arching branches, which give it a most graceful habit. Pink flowers, followed by red berries in the fall. Maturity height, 6-8 feet.

Shipping size 2-3 feet, each \$1.50; small plants, each 75c.

**C. Horizontalis** (Trailing). Nearly deciduous. Leaves very small and turn red during winter. Berries of the brightest red that stay on all winter. Low growing, with horizontal branches. Excellent for terrace or embankment work. Very hardy. Maturity height, 2 feet.

Shipping spread 18 inches, each 75c to \$1.50; small plants, each 50c.

**C. Microphylla** (Himalayas). Very much like *C. Horizontalis*, but differs in that it is entirely evergreen. Berries are larger and of purplish-red. Almost prostrate growth. Shipping spread, 18-24 inches.

Each 75c to \$1.50.

**Cotoneaster Salicifolia Floccosa**. Evergreen shrub of spreading habit. Shiny, willow-shaped leaves with under surface tomentose grayish. Berries bright red, in clusters.

Each \$1.00.

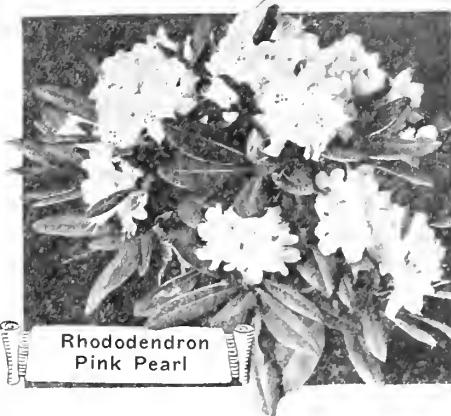
**C. Simonsii**. Growth very straight and upright. Excellent to fill in background between shrubs when height is desired. Leaves do not remain all winter, but branches are covered with bright red berries the size of a cranberry. Of quick growth. Maturity height, 10-12 feet.

Shipping size 18-24 inches, each 75c; 2-3 feet, each \$1.25.

**HOLLY** (*Ilex*).

**English** (*Aquifolia*). Prickly, dark-green foliage. Grows moderately fast. Covered during the winter months with bright red berries. We endeavor to furnish nothing but assured berry bearing stock which has produced berries before being sent out. However, very often in transplanting they drop these berries and do not reset them until roots become established again. Holly trees, while they should never be allowed to remain dry too long, are often ruined by too much spraying with hose during summer months, causing flowers to drop and no berries. Maturity height, 40 feet.

Price \$3.00 and up, at rate of \$1.50 per foot of height. Write for price on holly for hedges, stating length of hedge. Small plants \$1.50.



Rhododendron  
Pink Pearl

#### LAUREL.

**English** (*Cerasus*). One of the best known laurels. Growth shrub-like, with broad, dark green leaves of a leathery texture. Greatly used in landscape work. Attains a height of 12 feet if not topped. Being used a great deal now for evergreen hedge planting at a distance of 2 feet apart for dense hedge.

Shipping size 18-24 inches, each 75c; larger plants up to 5 feet priced on request; hedge plants, unballled, each 15c, height 8 to 15 inches.

**Portugal**. A very beautiful, slow-growing laurel. Dark green, glossy leaves, small but very compact. Can be trimmed to globe or pyramid shapes. Maturity height, 8 feet. Shipping size, 12-15 inches.

Each \$1.00.

**LAURUSTINUS**. A well-known evergreen shrub with dark green foliage. Bears a profusion of small, white flowers in the open and pink in the bud, very early in the spring. Attains considerable size and used a great deal in specimen planting or to fill a large corner or space. Fine for massing or hedge work. Very hardy. Maturity height, 10 feet.

Shipping size 10-18 inch, each 60c; 18-24 inch, each \$1.00.

#### PRIVIT (*Ligustrum*).

**California Privit** (*L. Ovalifolium*). Our best plant for hedges. Plant in double row 2 feet apart, 6 inches between plants. Maturity height, 10 feet.

18-24 inches, 10 plants \$1.00; 100, \$7.50; 24-30 inches, 10 plants \$1.25; 100, \$10.00.

**English Privit** (*L. Vulgare*). A little hardier, for colder climate. Leaves smaller. Maturity height, 10 feet.

18-24 inches, 10 plants \$1.00; 100, \$7.50; 24-30 inches, 10 plants \$1.25; 100, \$10.00.

**Golden Privit** (*L. Lucidum Variegatum*). A beautiful, variegated shrub used to plant in among evergreens, giving a wonderful effect. Maturity height, 10-12 feet. Shipping size 2 feet, each 75c; 3 feet, each \$1.25.

**PYRACANTHA** (*Crataegus*). A tall-growing shrub with long, narrow, green leaves, small white flowers, followed by berries that stay on all winter. Especially fine for background. Maturity height, 15 feet.

#### P. Lalandi (from Europe).

Orange berries. Shipping size 12-18 inches, each \$1.00; 18-24 inches, each \$1.25; small plants, each 50c.

**P. Crenulata** (China). Red berries. Shipping size, 18-24 inches.

Each \$1.00.

#### GRAFTED RHODODENDRON.

**Pink Pearl**. Wonderful pearly-pink flowers. 12-18 inch, each \$5.00; 18-24 inch, each \$7.00.

**Shades of Red, Pink or Purple**. Grafted named varieties labeled true to name. Order by color. 12-18 inch.

Each \$5.00.

**Seedlings**. Cannot guarantee color. 18-24 inch. Each \$3.00.



## CONIFEROUS EVERGREEN TREES

In handling and planting evergreens, never allow the roots to become dry for an instant. Their juices are resinous, and when once dry, water has no power to restore them. Dip the roots in "grout" or very thin mud and plant quickly. Cover the roots with fresh soil and with a heavy piece of wood beat the earth solid over them. Fill up and pound again, and finish by bringing fresh, loose earth about the tree with a hoe. No wind can now bend the tree so as to break the tender rootlets as fast as formed.

**ARBOR VITAE (Thuya).** American (*T. Occidentalis*). Native, known as cedar. Foliage bright green, yellow-green underneath; bronze in winter. Shipping size, 24-30 inches.

Each \$2.00.

**Pyramid Arbor Vitae (Thuya Lobbi).** Bright green leaves above and dark, glossy-green leaves beneath. An excellent tree for pyramid forms.

Shipping size 12-18 inch, each \$1.00; 18-24 inch, each \$1.50.

**CEDAR—Deodar or Indian Cedar (Cedrus Deodara).** Very handsome. Branches drooping, foliage silvery-green. Very popular.

Shipping size 18-24 inches, each \$1.50; small plants, each 50c.

**Red Cedar (Juniperus Virginiana).** Native, with striking form and color. See illustration above. Shipping size, 18-24 inches.

Each \$1.50.

### CRYPTOMERIA.

**Elegans (Japanese Cedar).** A very beautiful evergreen. Delicate green foliage and graceful habit, color changing to reddish-brown.

Shipping size 18-24 inch, each \$1.75; 30-36 inch, \$3.50.

**Japonica.** The open-branched, tree type of *Cryptomeria*, resembling somewhat the *Sequoia Gigantea*, but of slower growth. Shipping size, 18-24 inches.

Each \$1.75.

**CYPRESS (Cupressus; Alumii).** Handsome, pyramid-shaped conifer. Foliage greenish-blue.

Shipping size 1½-2 feet, \$1.50; 3-½ feet, \$4.00; 4 feet, \$6.00.

**Lawson's (Chamaecyparis Lawsoniana).** Graceful and conspicuous. Branches horizontal, slightly pendulous. Foliage dark green.

Shipping size 24-30 inch, each \$1.50; 30-36 inch, each \$3.00.

**Lawson (Erecta Veridis).** Pyramid, green. Shipping size 12-18 inch, \$1.50; 2-3 feet, \$2.50; 4 feet, \$3.50.

**Italian.** Bright green. Very compact in growth. Nothing finer in the upright type.

Shipping size 2-3 feet, each \$2.50; 3-4 feet, each \$3.00; small plants, each 85c.

**RETINOSPORA (Plumosa Aurea).** Golden. 12-18 inch, \$1.75; 18-24 inch, \$2.50.

**Squarrosa.** Dense, compact, foliage with feathery branches. Light, bluish-green.

12-18 inch, \$1.50; 2 feet, \$2.00.

**SPRUCE (Picea).** Norway (*P. Excelsa*). A lofty, rapid grower. Branches drooping. Fine for hedge or wind-break. 2-3 feet.

Each \$2.50.

**Colorado Blue Spruce.** One of the hardest evergreens of beautiful color and outline. Shipping size, 2 feet.

Each \$4.50.

**JUNIPER (Juniperus).** Irish (*J. Communis Hibernica*). Pyramidal in form. Foliage silvery-gray.

Shipping size 2-3 feet, each \$2.75; small plants, each 75c.

**Common (*J. Communis*).** Branches spreading. Shipping size 2½-3 feet.

Each \$2.75.

**Juniper Chinensis.** Very compact growth. Light green.

Shipping size 1½ feet, each \$2.00; 2 feet, each \$3.00; small plants, each \$1.00.

**DWARF JUNIPER.** A low-growing shrub of widespread habit, beautiful green coloring. Plants as delivered spread 12 to 18 inches and increase to many feet. Beautiful for parking strip, along walls, etc.

Each \$2.00.

**YEW, ENGLISH (Taxus Baccata).** Compact, bushy habit.

Dark green. Of slow growth, making it valuable for base planting or low groups. The English Yew trims readily into any shape, as specimen tree or into a very compact, low or high hedge which is most beautiful but rarely seen this side of England. Does well in partial shade.

1½-2 feet, \$2.75; small plants, each \$1.00.

**YEW, IRISH (T. Hibernica or Fastigiata).** Formal, columnar habit; compact. Bears large, bright red berries in fine contrast with the dark green foliage. Of slow growth. A very desirable evergreen for formal effects. 1½-2 feet, \$3.00; small plants, \$1.00.

**THUYOPSIS DOLABRATA.** A very interesting form of robust nature with odd, scale-like foliage, marked slightly yellow, and loose forming branches. A distinct type of hardy evergreen. 15-18 inches.

Each \$1.75.

**SHRUBS (By F. F. Rockwell).** Here is brief but complete and usable information on the best ways to improve the beauty and value of your home with shrubs. Tells what to select for different combinations and effects, and how to plant, water, mulch, prune and care for shrubs. 49 illustrations, 76 pages.

Price \$1.00; postpaid \$1.10.

**THE DESIGN OF SMALL PROPERTIES (By M. E. Bottomley).** Here are 52 carefully designed plans, one or more of which will give you just the planting layout you want for your home. Each plan is fully described and explained, so that you can easily modify it to fit any special conditions. A check list of nearly 600 plants, showing the height, color, time of bloom, foliage, growing habit, soil requirements, etc., of each one shows you what to plant. 64 illustrations, 233 pages. Price \$3.00.

**EVERGREENS FOR THE SMALL PLACE (By F. F. Rockwell).** All the information you need to make the best use of evergreens is in this handy book, written by one who is himself a home-owner and a gardener. It tells the uses, characteristics and the types of small or dwarf evergreens, and details of their planting, transplanting and general care. 67 illustrations, 84 pages.

Price \$1.10 postpaid.

## DECIDUOUS TREES

### Shade and Ornamental

When you are planning to purchase deciduous shade and ornamental trees, we strongly recommend that you write us, telling us the location of tree and height desired, as we can advise as to the best to plant and give you a better description of the trees as to habit, etc. All of the trees below can be furnished in much larger sizes than listed, and we will be pleased to tell you what we can furnish and quote prices. (The sizes given below are the approximate heights when shipped.)

**ASH**

**American White.** Broad, round head and dense foliage. Very fine. 5-6 feet.

Each \$1.50.

**BIRCH.**

**Cut Leaf (B. Alba).** Silvery-white bark, slender, drooping branches. 5-6 feet.

Each \$2.00.

**CATALPA.** Splendid trees. White flowers, bright foliage.

**Catalpa Western (Speciosa).** Very rapid grower. A quick shade. 7-8 feet.

Each \$1.25.

**Catalpa Bungei.** Dwarf, dense, round-headed variety. Much in outline like the popular Bay trees, but is hardy and better adapted for the garden. 5-6 feet.

Each \$3.00.

**DOGWOOD (Cornus Florida), White Flowering.** Flowers white, 3 inches in diameter, blooming before leaves come in spring. 4-5 feet.

Each \$1.50.

**BOX LEAF ELDER.** Variegated, hardy. Leaves almost pure white. Nothing finer for specimen planting. 5-6 feet.

Each \$2.00.

**ELM.**

**American White.** A magnificent tree with drooping branches. 6-8 feet.

Each \$1.50.

**English.** A rapid grower. Erect and compact. Dark green. 6-8 feet.

Each \$1.50.

**HAWTHORNE—Paul's Double Scarlet (C. Monogyna Pauli).** A tree of fine habit. Flowers bright scarlet, large, full and very double in heavy clusters on long sprays.

4-6 feet, \$2.00; 6-8 feet, \$2.50.

**Double White (C. Monogyna Alba Plena).** Flowers small. Leaves lustrous green. 6 feet.

Each \$2.00.



ENGLISH ELM



CATALPA BUNGEI

**HORSE CHESTNUT (Aesculus). White Flowering (Hippocastanum).** Foliage showy. Flowers stand in upright panicles. 6 feet.

Each \$1.75.

**LABURNUM (Golden Chain), L. Vulgari.** A beautiful small-growing tree, with long, drooping racemes of fragrant yellow flowers. 6-8 feet.

Each \$1.75.

**LINDEN (Tilia).**

**American (T. Americana).** Shapely and handsome. Foliage large. 6 feet.

Each \$1.50.

**European (T. Europea).** Similar to American; leaf smaller. 6 feet.

Each \$1.50.

**LOCUST (Robinia).**

**Black (R. Pseudocacia).** Rapid grower. Fine for street planting. 6-8 feet.

Each \$1.50.

**Honey Locust (Gledistria Triaeanthus).** 6-8 feet.

Each \$1.50.

**MAPLE (Acer).**

**Norway (A. Platanoides).** Large, growth compact. Foliage deep green. Very handsome. 6-8 feet.

Each \$1.50.

**Schwedleri (A. Platanoides).** Purple-Leaf Maple. Variety Norway Maple. Young leaves are deep purple. As summer advances changes to green. 6-8 feet.

Each \$2.00.

**MOUNTAIN ASH (Sorbus).**

**European (S. Aucuparia).** White flowers, then beautiful red berries. 6-7 feet.

Each \$1.50.

**OAK (Quercus).**

**Red Oak (Q. Rubra).** Ideal for lawn or street. Dark red, shapely cut foliage. 6-8 feet.

Each \$2.50.

**POPLAR (Populus).**

**Lombardy (P. Nigra Fastigiata).** An erect, rapid grower. 6-8 feet, \$1.50; 8-10 feet, \$2.00.

**SYCAMORE or PLANE (Platanus).** Erect growing tree with mottled trunk. Foliage bright green. 6-8 feet.

Each \$2.00.

**WEEPING WILLOW (Salix). Wisconsin (S. Babylonica Dolorosa).** Large, glossy leaves, pendulous habit. 5-6 feet.

Each \$1.50.

**American (S. Babylonica).** The well-known, common weeping willow. 5-6 feet.

Each \$1.50.

## FRUIT TREES

In the purchase of fruit stocks great care should be given to the selection of varieties that will meet your conditions and requirements, as many that thrive and bear abundantly in one section often prove disappointing under variable conditions. Also many splendid sorts for home use are totally unsuited for profitable marketing. For this reason we offer a large assortment of improved varieties carefully tested and selected for their special merits and their adaptability to varying conditions, and if you will state whether you intend growing for distant or local market or for home use, giving location and general conditions, we can recommend or assist in the selection of those varieties that will give you the best results. If trees are frozen in transit, do not unpack, but set away in a cool cellar and allow them to thaw gradually. Trees or roses that are dried out and shriveled should be buried, tops and all, in moist earth for a few days. This will restore them.

### APPLES

First Grade	Each
2 year .....	75c
1 year, 4 to 5 feet.....	60c
1 year, 3 to 4 feet.....	50c

Write for quantity prices.

### Autumn and Winter Varieties

**Baldwin.** Large, rounded, deep bright red. Very productive. Crisp, fine flavor. One of the best and most popular winter apples. November to February.

**Delicious.** Fruit equals name in every respect. Fine for market and home; especially adapted to Eastern Oregon and Washington. Keeps till April.

**Grimes Golden.** Very popular. Rich, golden-yellow. Flesh tender, juicy and rich. Tree hardy and vigorous, bearing young. November to December.

**Jonathan.** Tree vigorous, long lived and an early bearer. Fruit beautiful red and oblong; fine quality. Valuable as a pollenizer with Spitzenberg and Newtown. October to January.

**Multnomah (New).** A hybrid between the American Pippin and Rome Beauty. Red, striped yellow. Flesh white and fine, sub-acid. Extra long keeper. In its prime from February to June.

**Northern Spy.** Large, round, greenish-yellow, stripes of purplish-red. Flesh white, juicy, brisk sub-acid. Valuable for "top work". Requires good soil. December.

**Ortley or White Bellflower.** White fleshed, fine grained, conical fruit of superior quality. December to April.

**Spitzenberg.** Large, oblong. Yellowish, with broken stripes of bright red. Flesh yellowish, juicy. November to March.

**Wealthy.** Medium, whitish-yellow, shaded with deep red. Flesh white, tender and juicy. October.

**Winter Banana.** Fancy market fruit. Pale yellow with pink blush. November.

**Yellow Bellflower.** Large, oblong, yellow. Flesh firm, crisp, juicy, sub-acid. October to January.

**Yellow Newtown Pippin.** Large. Skin smooth, golden-yellow. Firm, juicy. December to May.

### Summer Varieties of Apples

Prices the same for all Apples

**Early Harvest.** Medium size. Bright straw-color. Tender and fine. For table and cooking. July.

**Gravenstein.** Large, beautifully dashed with deep red and orange. Aromatic flavor. Tree very vigorous. August.

**Red Astrachan.** Large, deep crimson, flesh white, moderately juicy, agreeable, rich acid flavor. Very productive. August.

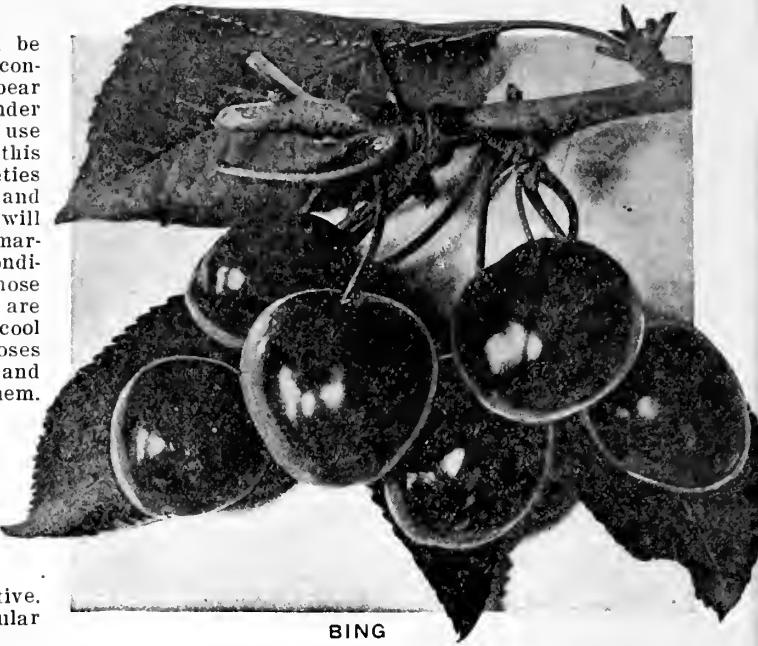
**Yellow Transparent.** Medium size, roundish, slightly conical. Skin pale yellow. Flesh tender, juicy, sub-acid, good. Bears at an early age. July.

### Crabapple Varieties

**Florence.** Red striped. Early, juicy and crisp. Fine for home gardens. September 1.

**Red Siberian.** Yellow with scarlet cheek. Bears young and abundantly. September.

**Transcendent.** Very large. Good for cider. Yellow, striped red. Adapted to Montana. September.



BING

### APRICOTS

Each
2 year, 4 to 6 feet..... 85c
1 year, 3 to 4 feet..... 75c

Write for quantity prices

**Blenheim.** Deep orange, sometimes blushed. Tender, rich and juicy. Tree vigorous. Good for Pacific Coast. Last of June.

**Moorepark.** Large, yellowish, green. Flesh bright orange. For canning and drying. Freestone. July to August.

**Royal.** Above medium size. Sweet, rich, juicy. Good dryer and canner. July.

**The Lewis.** Best flavored. Perfectly hardy. Grown extensively in the Goodnoe Hills. July to August.

**Tilton.** Large. Rich color, high flavor. Very productive. Similar to Royal, but later. July.

### CHERRIES

Each
2 year, 4 to 6 feet..... \$1.25
1 year, 4 to 6 feet..... 1.00
1 year, 3 to 4 feet..... .75

Write for quantity prices

**Bing.** Large, dark brown or black. Very fine. Late. Good shipping. July.

**Black Republican (Lewelling).** Large, black, sweet, purplish flesh. Good shipper. June.

\***Early Morello.** Color nearly black; size medium to large with well flavored, dark-purplish, juicy meat.

\***Large Montmorency.** Color brightest red. The most popular sour cherry grown; especially adapted for canning purposes on account of its brilliant color and good flavor. A very early bearer and good shipper.

\***Kentish (Early Richmond).** Dark red, juicy, sour. For cooking purposes. Mid-May.

**Lambert.** Largest size. Deep, rich red. Flesh firm, fine flavor. July.

\***Late Duke.** Large, light red. Excellent, sub-acid. Late July.

\***May Duke.** Large, rich, dark red, sub-acid. May.

**Royal Ann (Napoleon Bigarreau).** A magnificent cherry of the largest size. Pale yellow, with a bright red cheek. Flesh firm, juicy, sweet. Tree a rapid grower and immense bearer. July 1.

**Waterhouse (Long Stem).** Fruit small, light red. One of the best pollenizers.

Those marked (\*) are Pie Cherries.

## PEACHES

First Grade	Each
4 to 6 feet.....	.85c
Write for quantity prices	

**Early Alexander.** One of the largest early varieties. Almost freestone. July.

**Early Crawford.** Large, yellow, red cheek. Freestone. August.

**Elberta.** Large, bright yellow, red cheek. Juicy, sweet. Freestone. Late July.

**Early Elberta (Early Yellow Freestone).** Same shape and general manner as Elberta, but fruit is larger. Yellow with red cheek. Fruit yellow, fine grained and sweet. An excellent variety for home use or market. Tree is a prolific, annual bearer.

**Fitzgerald (Free).** An improved early Crawford, fully equal to it in size, quality and color; tree makes a thrifty growth, bears quite young, is productive and very hardy. Bright yellow splashed with red. Flesh deep yellow and of the best quality. Early September.

**Hale's Early.** Early. Freestone. Extra quality.

**J. H. Hale (Midseason Yellow Freestone).** Ripens a few days earlier than Elberta. Fruit extra large, golden yellow with deep carmine blush. Excellent quality and flavor.

**Late Crawford.** Large, yellow, dark red, juicy. Freestone. Canning, drying. September.

**Mayflower.** Red all over. Extremely early. Freestone. Late June.

**Muir.** Large, pale yellow, firm and sweet. Best for drying. Freestone. August.

**Salway.** Creamy yellow, red cheek. Freestone. Late September.

**Tuscan Cling.** Very large. Yellow, blushed red. July to August.

## PRUNES

First Grade	Each
2 year, 4 to 6 feet.....	.90c
1 year, 6 to 8 feet.....	.75c
1 year, 4 to 6 feet.....	.50c
1 year, 3 to 4 feet.....	.40c

Write for quantity prices

**Giant.** Largest prune known, averaging  $1\frac{1}{2}$  to 2 ounces each.

**Hungarian.** Very large. Dark red, juicy, sweet. Good shipper. August.

**Italian (Fellenberg).** Large, oval, tapering at both ends. Dark purple, flesh greenish-yellow. Separates freely from stone. Best for drying. August.

**New Standard (Burbank Production).** Trees large. Enormous yield. Sweet, fine grained and delicious. Perfect freestone. Skin purple.

**Pacific.** Large, sweet. Same color as Italian. Good canner or to eat raw. Early August.

**Petite (French).** Medlun, egg-shaped. Violet purple. Sweet, rich, sugary. Very productive. Standard for drying. August.

## QUINCE

First Grade	Each
2 years .....	\$1.25
Write for quantity prices	

**Apple or Orange.** Well-known standard variety. Early. Large, golden-yellow. Good for preserving or flavoring. September.

**Champion.** Large, yellow. Cooks very tender. Delicious. October.

**Pineapple.** Flavor is suggestive of pineapple. Resembles the orange quince, making superior jelly. Can be eaten raw and has a most exquisite and delicious flavor. September.



## PEARS

Each	
2 year, 4 to 6 feet..... \$1.00	
1 year, 4 to 6 feet..... .85	
1 year, 3 to 4 feet..... .65	
Write for quantity prices	

## Autumn Varieties

**Bartlett.** Large. Skin thin, clear, lemon-yellow with soft blush. Flesh white, buttery, juicy and highly flavored. Best summer pear in existence. August to September.

**Beurre Bosc.** Large, beautiful, russetty. Highly flavored. Fine for shipping. September.

**Beurre d'Anjou.** Large, fine flavor. Keeps till Christmas. September.

**Comice.** A splendid commercial variety. Ships well. October.

**Fall Butter.** Yellow, sweet and juicy. September.

**Flemish Beauty.** Large, rich and sweet. Pale yellow with slight russet. Adapted to Montana and the Northwest.

**Seckel.** Rich, highly flavored. Skin brownish-green, russet-brown cheek. September to October.

## Winter Varieties

**P. Barry.** Fine keeper. Large, yellow. December to March.

**Winter Bartlett.** Undoubtedly one of the few pears of recent introduction of real merit.

**Winter Nellis.** Medium. Skin yellowish-green. Flesh yellowish-white. Fine grained. December.

## PLUMS

First Grade	Each
2 year, 4 to 6 feet.....	.85c
1 year, 6 to 8 feet.....	.70c
1 year, 4 to 6 feet.....	.50c
Write for quantity prices	

**Bradshaw.** Reddish-purple. Adheres partially to stone. July.

**Coe's Golden Drop.** Large, light yellow. Late September.

**Columbia.** Largest size, brownish-purple. Freestone. August.

**Damson.** Small, bluish-purple. Rather tart. Trees fruitful and hardy. August.

**Damson Shropshire.** Dark purple. Very firm. Flesh greenish. Late September.

**Green Gage.** Freestone. Mid-July.

**Maynard.** Dull red, rich and sweet. Sturdy, quick growing, heavy yielding. Ripens in July.

**Peach.** Very large. Skin brownish-red. Freestone. July.

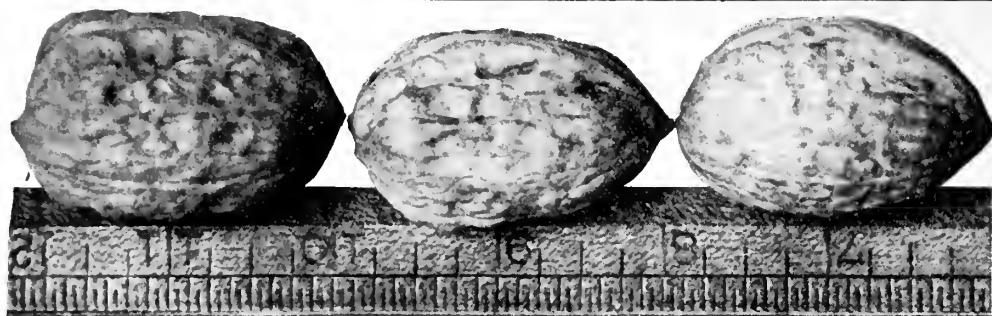
**Prinew Plum.** Best large plum for market. Good shipper.

**Satsuma (Blood Plum).** Large, dark red from skin to pit. Tree productive. Early July.

**Washington.** Large, skin dull yellow, crimson blush. Flesh firm, sweet and luscious. Freestone. Early August.

**Yellow Egg.** Very large. Deep golden, rather acid. Excellent for cooking. Very showy. August.

SOFT  
SHELL  
FRAN-  
QUETTE



## NUT TREES

Write for quantity prices

**ALMOND (Nut Bearing).** Almonds can be grown successfully in many sections of Oregon and Washington. We can supply most of the leading varieties at price listed. Special prices on large orders. 3-5 feet.

**I. X. L.** A vigorous grower and sure cropper, producing nuts of large size and handsome appearance. Shell thin. Most popular commercial sort.

**Nonpareil.** Tree slightly weeping. Nut sweet and shell very thin. Best for the home.

Each \$1.00.

**BUTTERNUT.** A beautifully formed tree bearing a rough-coated nut of most attractive flavor. Well known to the Middle West. Succeeds fairly well in the Pacific states. 2-3 feet.

Each \$1.25.

**FILBERTS.** 3-4 feet.

**Barcelona.** Magnificent large nut from Spain. First quality. Can be grown as low, standard tree or bush.

**Du Chilly.** The largest Filbert on the Pacific Coast. Nuts are broad, 1x $\frac{3}{4}$  inches, full fleshed and sweet. Best grown as low standard. Special prices on large orders. Du Chilly is a good pollinator for Barcelona.

**White Aveline.** This, used with the Du Chilly, considered best varieties for planting with Barcelona for pollinator.

Each 75c.

**GRAFTED WALNUTS—Franquette (Soft Shelled).** We offer a splendid strain grafted on 4-year California Black Walnuts. Sturdy, thrifty trees with big, fibrous roots. The best to plant. Comes to bearing much younger than seedling walnut. Can be shipped by express or truck.

3-4 feet, each \$1.00; 4-5 feet, each \$1.50; 5-6 feet, each \$2.00; large tree, 1 $\frac{3}{4}$  inch diameter, each \$2.50.

**HICKORY (Shellbark).** Popular Eastern variety. Tree hardy, but slow grower. Nuts medium size, very good. Quality excellent. 3-4 feet.

Each \$2.50.

**SEEDLING WALNUTS—Franquette and Mayette.** Second generation. Soft shell, selected stock. Trees hardy and prolific bearers. Nuts are rich and meaty.

Each \$1.00 f. o. b. Portland.

**California Black.** A rapid grower and very desirable. Nut medium size, with hard, rough shell. Adapts itself easily to different climates.

4-6 feet, each \$1.00; 6-7 feet, each \$1.25; 7-8 feet, each \$1.50.



MASTODON

DIAMOND QUALITY SEEDS ARE TESTED FOR PURITY AND GERMINATION

## STRAWBERRIES

**Diamond Quality Strawberry Plants** are large, vigorous, healthy, heavily rooted. Have large, full crowns. Carefully grown and are free from disease and pests. We dig as ordered and pack for shipment in ventilated crates of 1000 plants each. Grown from our select strains and always true to name; no substitution is ever allowed without instructions from the purchaser. All our plants are officially inspected in the field by the State Horticultural officers and by our own inspectors.

**New Oregon.** Best, most uniform and heaviest yielding main crop strawberry. Large, firm, of fine form, average 15 to the quart box. Brilliant, deep, rich red, with glossy, varnished appearance. Color extends through to very center and they are never hollow. Flavor is suggestive of the wild berry. Will remain on the vine for three days without injury, keep perfectly for many days after picking, stand long shipments and will hold color, shape and flavor when canned. An early bearer, being ready for marketing the first half of May in the Willamette Valley and holds up in size and quality throughout the season.

**Gold Dollar (Extra Early).** Large size. Dark red all through. Fine flavor. Foliage heavy, large and spreading, which protects blooms from early frosts. Standard early berry in the big markets of the Northwest.

**Marshall.** One of the best all-round strawberries. Very large. Dark crimson throughout, fine flavor. A fine market and table berry. Our stock of Marshalls is absolutely true and a vigorous and prolific strain.

**Prices—All varieties listed above:** Prepaid, 12, 30c; 25, 50c; 100, \$1.50. Not prepaid, 25, 40c; 100, \$1.00; 1000, \$8.00. Write for quantity prices.

**PROGRESSIVE EVERBEARING.** Fall-bearing strawberries. Require special care and attention, as the late fruit will be small and yield less if blossoms are not removed and plants are allowed to fruit early and continuously. When properly grown they are of splendid quality and yield heavily until frost. Rich, red color, firm and of delicious flavor. Good keepers and shippers.

Postpaid, 12, 60c; 25, 75c; 100, \$2.00. Not postpaid, 12, 35c; 25, 55c; 100, \$1.75; 1000 plants, \$15.00 f. o. b. Portland.

### Mastodon Strawberries

The largest everbearing berry grown. Mastodon is the most prolific, the firmest, the most beautiful berry with the real strawberry flavor. Bears early and late. Can be picked all spring and summer. Many of the berries grow as large as a silver dollar and are just as perfect. Mastodon is the real marvel in strawberries. Nothing like it has ever been known. Big yields of big berries under all conditions. Does not require special soil, petting or care. Just plant them out this spring in ordinary soil that will produce good garden or farm crops, give them only ordinary care, keep the blossoms cut off until July 1—that's all there is to it. In about three weeks you'll have berries—big, red, delicious berries, lots of them, and you will continue having them until winter.

Prepaid—12, 80c; 25, \$1.25; 100, \$3.00

Not prepaid—12, 60c; 25, 90c; 100, \$2.50

Write for quantity prices

## GRAPES

2-yr. plants, ea. 20c; 10, \$1.75; 100, \$15  
1-yr. plants, ea. 15c; 10, \$1.25; 100, \$10

**Campbell's Early.** Nearly round, black, with light purple bloom. Flesh rather firm but tender. Quality rich, sweet, slightly vinous. A strong, vigorous grower. August.

**Concord.** Large, black grape. Bunches compact, berries round, sweet, pleasant. August.

**Delaware.** One of the finest grapes. Grows freely. Perfectly hardy. Ripens early. Berries small, bright red. August.

**Lucile.** Good, medium large, red grape. Hardy.

**Moore's Early.** Berry large, resembling Concord, but more pulp and earlier.

**Niagara.** Bunch medium, berry large, roundish, uniform. Skin thin but rough. Pale yellow flesh, tender and sweet. Vine vigorous and productive. One of the best white. September.

**Worden.** Bunch large and compact. Berry large, black. Improved Concord. Late August.



PERFECTION

## RASPBERRIES

**BLACK CAPS.** 2-year, each 25c; 10, \$2.25; 1-year, each 20c; 10, \$1.75. Write for quantity prices.

**Gregg.** Good size, productive and hardy.

**Plum Farmer.** Large, black. Hardy and very productive.

**RED CAPS.** 1-year each 10c; 10, 75c; 100, \$3.00.

**Cuthbert.** Deep, rich red, large and firm. One of the best. Ripens medium to late.

**Marlboro.** Bright crimson. Ripens early. Large, firm. Good commercial variety.

**St. Regis Everbearing Red Caps.**

Each 20c; 10, \$1.75; 100, \$15.00.

## BLACKBERRIES

1-year.....each 15c; 10, \$1.25

Write for quantity prices

**Eldorado.** Large, jet black, melting, sweet and rich. Hardy, productive. Fine for Oregon.

**Himalaya Giant (Evergreen).** Strong, rampant grower, everbearing. Enormous yielder. Berries large, juicy, coreless, sweet and firm, aromatic flavor. Its deep-rooting qualities enable it to produce a large, firm berry even in a very dry season.

**Lawton.** Fruit large, very productive. Well known. Oregon's most popular kind.

## Thornless Mammoth Blackberry

(Cory)

Strong, vigorous grower. Bears prolific. Canes grow thick and stout until 5 or 6 feet, when they take trailing habit; should be trellised. Delicious flavor of its own, resembling the wild berry. Self-fertilizing. Never been known to fail to bear. Almost seedless.

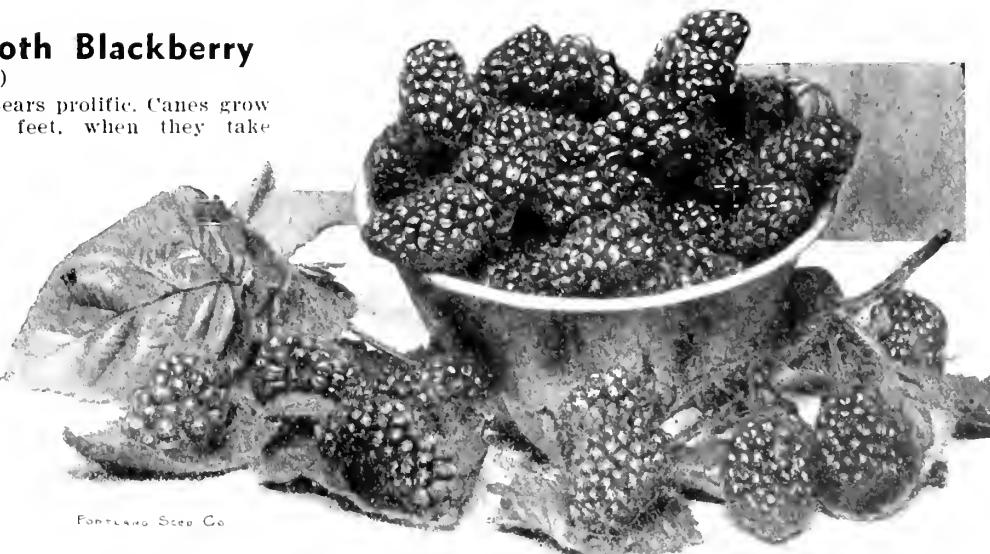
Tips, spring delivery only, each 20c; 100, \$12.00; 1-year, transplanted, each 25c; 100, \$20.00.

## LOGANBERRIES

2-year plants, each 20c; 10, \$1.75; 100, \$15.00.

1-year plants, each 15c; 10, \$1.25; 100, \$10.00.

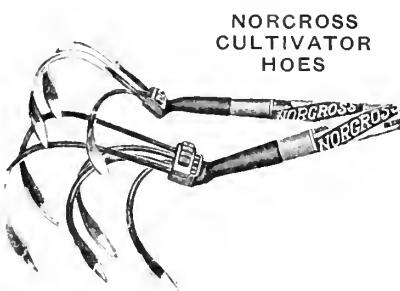
Dark red. Immense clusters. June.



YOUNGBERRY

DIAMOND QUALITY SEEDS PRODUCE BOUNTIFUL CROPS

## CULTIVATING TOOLS



NORCROSS  
CULTIVATOR  
HOES

Keeps down weeds, saves moisture, leaves the ground level. 4-foot handle.

Prices f. o. b. Portland.

**Five Prong.** For regular garden work. Weight 4 lbs.

Price \$1.00.

**Three Prong.** For narrower rows and close work. Weight 3 lbs.

Price 75c.

**FLORAL SHOVEL.** A light shovel for ladies' or children's use, suitable for planting shrubbery, transplanting potted plants, digging bulbs, etc.

Each \$1.00.



**NO. 82 WEEDER.** One-piece pressed steel. Easy to handle, unbreakable. Length 9½ inches. Blue enameled. Weight 1 lb.

Price 20c, not prepaid.



**MAGIC WEEDER.** Spring steel, 3 tines. Weight 1 lb.

Price 20c postpaid.



**HAZELTINE'S WEEDER.** Spring steel blade. Weight 1 lb.

Price 30c, not prepaid.



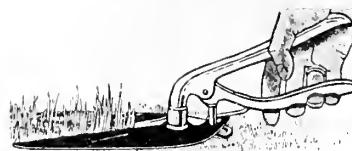
**NO. 3 VILLAGE BLACKSMITH GRASS HOOK.** With offset handle. Forged cutlery steel, tempered, ground sharp and whetted. Weight 1 lb.

Price 65c, not prepaid.

## Special

**NO. 38 GALVANIZED STEEL TROWEL.** One-piece blade and handle. Weight 1 lb.

Price 10c.



**GOODWIN GRASS SHEARS.** Made to cut fast and clip close without barking knuckles or making blisters. Easy to get into corners, or cut edges at walks, around shrubs and flowers, etc. Every inch of blade lies flat on ground. Will cut the toughest grass from tip to hilt. Hand is in comfortable position. Shipping weight 1 lb.

**Ball Bearing Model \$1.75, Bronze Bearing Model \$1.25, not prepaid.**



## PRUNING SHEARS

**No. 40.** 9 inch. Highest grade, bright finish, polished blade, spiral spring. Without ratchet. Weight 1 lb.

Price \$1.60.

**No. 41.** Same as No. 40, with ratchet. Weight 1 lb.

Price \$1.75.

**No. 31.** With ratchet; same as No. 41, but unpolished finish. Weight 1 lb.

Price \$1.25.

Prices above are not prepaid.



## KNIVES

**No. 2 PRUNING KNIFE.** Wood handle, stationary blade, high-grade, tempered steel.

Price \$1.25 postpaid.

**No. 4 PRUNING KNIFE.** Polished wood handle, highest quality blade, strong spring.

Price \$1.50 postpaid.

**No. 6 GRAFTING KNIFE.** Wood handle, stationary blade of highest grade steel.

Price \$1.00 postpaid.

**No. 8 BUDDING KNIFE.** Ebony handle, ivory opener, best quality steel blade.

Price \$1.75 postpaid.

**No. 13 BUDDING KNIFE.** Wood handle, stationary blade.

Postpaid 50c.

## PRUNERS

**NEW BASTION TREE PRUNER.** The powerful lever enables you to do the same work in half the time that would be required with old style pruners. Damascus steel blades, very strong, hold their cutting edge. Light, strong and durable.

6 ft. \$2.00; 8 ft.

\$2.25; 10 ft. \$2.50;

12 ft. \$2.85 f. o. b.

Portland.



**GRAFTING WAX — P. S. Co. Brand.**

¼ lb. 20c; ½ lb. 35c;  
1 lb. 60c not pre-paid.

**VILLAGE BLACKSMITH BRAND GRASS SHEARS.** Full polished, 6-inch, hollow ground, tempered steel blades. Clean cutting. Weight 1 lb.

**No. V51.** With trowel shank.  
Special price \$1.00.

**No. V1.** Without trowel shank.  
Price 75c.



**NO. 30 SPADING FORK.** Forged steel, 3 tine. Weight 1 lb.

Each 75c postpaid.



**MAYNARD GARDEN TROWEL.** Steel socket shank, extra heavy. Weight 1 lb.

Price \$1.25 postpaid.



**NO. 39 ALL STEEL TROWEL.** One-piece, unbreakable. Blue lacquered, sharpened. Weight 1 lb.

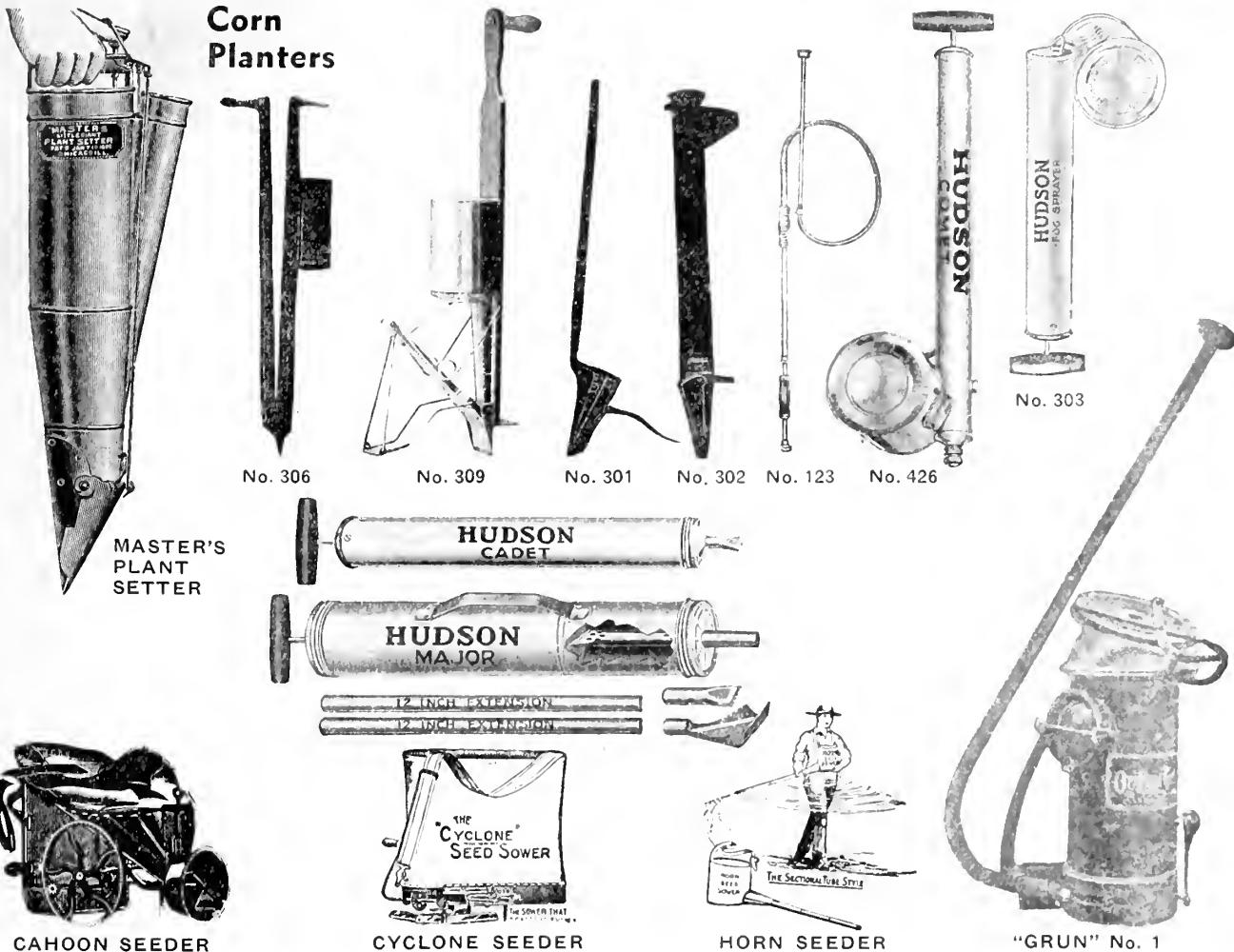
Price 25c postpaid.

**NO. 40 TRANSPLANTING TROWEL.** 1½x6½ inch blade, all steel, blue lacquered. Weight 1 lb.

Price 25c postpaid.

**DIAMOND QUALITY SEEDS COME TO YOU WITH A PROMISE OF BOUNTIFUL CROPS**

## Corn Planters



CAHOON SEEDER

CYCLONE SEEDER

HORN SEEDER

"GRUN" No. 1

**NO. 303—FOG SPRAYER.** For vaporizing fly oils and insecticides so fine as to remain suspended in air. Tin, 1 qt. 35c; postpaid 45c.

**NO. 301 POTATO PLANTER.** Shipping weight 4 lbs. Price \$1.25 f. o. b. Portland.

**NO. 302 TUBULAR POTATO PLANTER.** Opens automatically by forward movement. Weight packed 5 lbs. Price \$1.75 f. o. b. Portland.

**MASTER'S PLANT SETTER.** With a "Master's" you can set, water and fertilize 10,000 plants a day and do better work than if set by hand. Works as fast as you walk. Sets cabbage, kale, celery, tomatoes and vegetable plants of all kinds. Shipping weight 5 lbs. Price \$6.00 f. o. b. Portland.

**NO. 123—TROMBONE SPRAYER.** High pressure, for orchards, shrubbery, shade trees, field crops, whitewashing, etc. Double acting, continuous. All working parts brass, bronze ball valves. Easy to clean. With 3-foot hose, intake pipe and strainer, fog nozzle with adjustable discs. Shipping weight 3½ lbs. Each \$3.75 f. o. b. Portland.

## Dusters

**MAJOR DUSTER.** Large, powerful dust sprayer with extension nozzle. Easy to reach into inaccessible corners. 2¾x9-inch pump. Each \$1.00; postpaid \$1.10.

**CADET DUSTER.** Covers every surface with a cloud of dust. Hunts every crack; nothing escapes treatment. Each 50c; postpaid 60c.

**HORN SEED SOWER.** A good, serviceable seeder. Practical, easy to handle and supplies a big demand. Nozzle is adjustable. Heavy tin. Weight 1 lb. Price \$1.00 postpaid.

**CYCLONE SEEDER.** Sows any kind of seed perfectly even over the ground at rate of 50 acres a day, any amount desired per acre. Saves seed, soon saves its cost. Weight 8 lbs. Price \$2.50 postpaid.

**NO. 306 CORN PLANTER.** Adjustable from popcorn to large kidney beans. Shipping weight 4 lbs. Price \$1.25 f. o. b. Portland.

**NO. 309 AUTOMATIC CORN PLANTER.** Shipping weight 6 lbs. Price \$2.50 f. o. b. Portland.

**CAHOON SEEDER.** Made of steel, iron and brass. The most popular and best. Force feed. Does excellent work. Sows all grains and grass seeds. Weight 9 lbs. Instructions included.

Price \$5.00 postpaid.

**NO. 426—COMET CONTINUOUS SPRAYER.** Variable nozzle, any spray from fog to solid stream; instantly adjusted; all working parts brass, valve easily accessible. Handles all types of oil and water sprays. One quart size. Heavy tin tank 75c; brass tank \$1.25; postage 10c extra.

**"GRUN" SULPHUR SPRAYER.** For dry dusting. Grinds the cloddiest sulphur to the finest powder while operating sprayer; no stops, good steady flow. Grinding devices so arranged they can be easily removed through side opening for cleaning. Easy to operate; simple construction; no useless screws. Strong and durable.

**No. 1.** Capacity 22 lbs. Net weight 15 lbs. Price \$18.00 f. o. b. Portland.

**No. 2.** Capacity 13½ lbs. Net weight 13 lbs. Price \$17.75 f. o. b. Portland.



## IDEAL SPRAYING OUTFIT

Heavy galvanized tank holds 15 gallons. Pump has large air chamber, bronze ball valves and is easily removable. Tested to a pressure of 275 lbs. Mechanical agitator and strainer. Complete with 6 feet of  $\frac{3}{8}$ -inch hose, 4-foot jointed extension. T-handle shutoff, "Ideal" non-corroding nozzle; 18-inch wheel,  $2\frac{1}{2}$ -inch tire. Heavy steel tubing frame. Easy to wheel about.

**No. 33.** Complete with reserve air pressure tank and 200-lb. pressure gauge, maintaining an even pressure for a considerable time on one pumping. Shipping wt. 105 lbs. Price \$37.50.

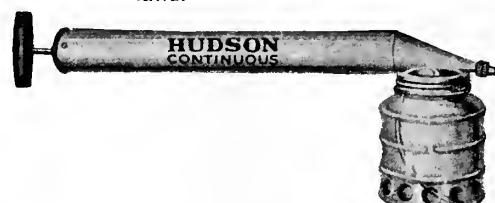
**No. 32.** Without reserve air tank, equally efficient, but more frequent pumping is necessary. Shipping weight 75 lbs.

Price \$25.00.

## Compressed Air Sprayers



No. 130-140



**NO. 427G—HUDSON CRITIC.** Meets the demand for a continuous sprayer with detachable container. Brass cone tip and jar top prevents corrosion. Wide mouth makes filling or cleaning easy. Extra jars can be used.  
Glass, 1 qt. \$1.25.



**ASPARAGUS KNIFE.** Has long shank and blade for cutting the tips below the surface.  
Each 50c; postpaid 60c.

**NO. 130—FAVORITE.** Four-gallon size. Tank  $21 \times 7\frac{1}{2}$  in.; capacity 4 gals., complete as illustrated. Shipping weight 11 lbs.

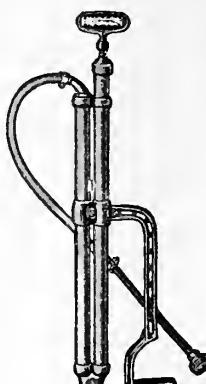
Price with galvanized tank \$6.00; with brass tank \$8.75 f. o. b. Portland.

**DIAMOND QUALITY SEEDS ARE GROWN FROM PURE SELECTED SEED STOCKS**

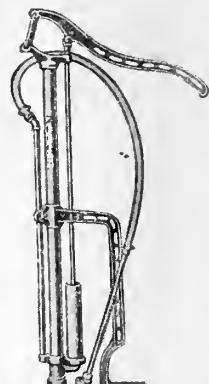
## BUCKET SPRAY PUMPS



No. 122—SINGLE CYLINDER



No. 128—DOUBLE CYLINDER



No. 126—LEVER HANDLE



No. 138G

**NO. 138G—CLIPPER.** 1 $\frac{1}{2}$  gallon size. Automatic shut-off valve of brass. Pump is brass, tank galvanized. will handle any solution. Shipping weight 5 lbs.

Price \$4.25 f. o. b. Portland.

**NO. 140—JUNIOR.** 2 $\frac{1}{2}$  gallon size. Smaller and easier to carry on account of its lighter weight. Plenty large enough to hold sufficient spray for general home work.

Price with galvanized tank \$5.00; with brass tank \$7.50 f. o. b. Portland.

Each \$6.00 f. o. b. Portland.



**NO. 452—MISTY SPRAYER.** Extra sturdy in construction, point of pump passing through tank, with spray and siphon tubes in perfect alignment. Has drip cup to absorb seepage. Length 21 inches. Heavy tin tank, 1 full quart capacity. Shipping weight 1 $\frac{1}{4}$  lbs.

Price 40c; postpaid 50c.



**NO. 202—MIDGET SPRAYER.** Small size, especially for home use. Extra sturdy. 10 inches long; tin tank  $\frac{3}{4}$  pint capacity. Shipping weight 1 $\frac{1}{2}$  lbs.

Price 30c; postpaid 35c.

## INSECTICIDES and FUNGICIDES

**TWO-WAY SPRAY.** A balanced insecticide and fungicide containing 14 per cent arsenate of lead and 83 per cent Bordeaux Mixture. Two results with one application. Use wet or dry.

½ lb. carton 25c; 1 lb. carton 45c; 4 lb. bag \$1.25 f. o. b. Portland; not mailable.

**ALL-ROUND SPRAY.** All-Round Spray contains the three leading remedies used by all large growers: Arsenate of lead, nicotine sulphate and Bordeaux Mixture. Perfect protection for the small user is assured by complete directions in form of spraying guide attached to every package.

¼ lb. carton 45c; 1 lb. carton 95c f. o. b. Portland; not mailable.

**GARDEN GUARD.** A garden insecticide and fungicide for use as a dust. For use on cabbage, cauliflower, tomato plants, melon vines, currants and gooseberries and other vegetables, flowers and shrubs of many kinds.

1 lb. sifted carton 25c; 5 lb. bag 90c f. o. b. Portland; not mailable.

**BAIT-M.** For use against snails, cutworms, sow bugs, grasshoppers and many other insects which migrate along the ground.

1 lb. 30c; 3 lbs. 60c; 15 lbs. \$2.75 f. o. b. Portland; not mailable.

**ARSENATE OF LEAD.** The most favored arsenical insecticide found on the American market. It is safest to use on tender foliage and sticks well on the leaves. Recommended for fruit trees, vegetables, bushes and tobacco. Can be used as dust or liquid.

½ lb. carton 25c; 1 lb. carton 45c; 4 lb. bag \$1.25 f. o. b. Portland; not mailable.

**BORDEAUX MIXTURE.** Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases.

1 lb. carton 45c; 4 lb. bag \$1.10; 8 lb. bag \$2.10; 100 lb. drum \$15.00 f. o. b. Portland; not mailable.

**PARIS GREEN.** Containing 55 per cent arsenious oxide, it will give quickest control where extreme measures are necessary. For use on potatoes, cotton, tobacco; also to mix with arsenate of lead for fruit tree spraying where quick results are necessary.

¼ lb. carton 20c; 1 lb. carton 50c; 5 lb. carton \$2.25; 14 lb. kit \$6.25; 100 lb. keg \$38.00 f. o. b. Portland; not mailable.

**DRY LIME SULFUR.** A standard 33 degree Baume lime and sulphur converted into a dry powder. For use on dormant spraying against scale, peach blight, leaf curl and twig borer. Summer spraying against scab, soot, blotch, red spider and mite.

1 lb. 35c; 5 lbs. \$1.50; 10 lbs. \$2.60; 25 lbs. \$3.75; 50 lbs. \$7.00; 100 lbs. \$12.50; 200 lbs. \$22.00 f. o. b. Portland; not mailable.

**LIME-SULPHUR SOLUTION.** Always uniform and of the highest efficiency. Tests 30 Baume scale. Ready to mix just as you get it. Add 11 gallons of water with each gallon of Lime and Sulphur Solution.

1 qt. 30c; 1 gal. 75c; 5 gals. \$2.40; 10 gal. cases \$4.50; 50 gal. bbls. \$11.00 f. o. b. Portland.

**APH-IS-ITE.** This preparation is non-poisonous and harmless to human beings or animals. Effective for combatting aphis, rose worm, leaf hopper, plant lice, mealy bug, rose-midge and mildew. It does not injure paints, but has a cleansing effect wherever used.

½ pt. cans 35c; qt. cans \$1.00; 1 gal. cans \$3.00; 5 gal. cans \$10.00 f. o. b. Portland.



Sure death to plant insects. Harmless to man, birds and animals. A sure killer of most plant insects, and yet offers no poison whatever to human beings, livestock or birds. It is positively not a poison.

1 oz. bottle 35c; 6 oz. bottle \$1.00; 16 oz. bottle \$2.00; 32 oz. bottle \$3.50; 1 gal. bottle \$11.50 not postpaid.



Disinfectant, deodorant, antiseptic, not a poison. Colorless, leaves no stain on floors or walls. Destroys foul odors, leaves no odor of itself. Contains no poison, acid nor oil.

4 ozs. 30c; 10 ozs. 50c; 32 ozs. 90c; 1 gal. \$2.00; 5 gals. \$8.50 f. o. b. Portland.



**BLACK LEAF "40".** Destroys aphis, thrips, leaf hoppers on all tree, bush and vine fruits, vegetables, field crops, flowers.

1 oz., 6 gal. spray, 35c; 5 ozs., 30 gal. spray, \$1.00; 1 lb., 80 to 240 gals. spray, \$2.25; 2 lbs., 160 to 500 gals. spray, \$3.35; 5 lbs., 400 to 1250 gals. spray \$6.25; 10 lbs., 800 to 2500 gals. spray \$10.75 f. o. b. Portland; not mailable.

**"NICO-FUME" TOBACCO POWDER.** For fumigating greenhouses. Tobacco powder impregnated with a high strength nicotine solution. Effective for fumigating in greenhouses to destroy aphis, thrips, etc.

5 lb. can \$4.50; 10 lb. can \$8.00 f. o. b. Portland; not mailable.

**"NICO-FUME" LIQUID.** For fumigating and spray for greenhouse work. Kills aphis, red spider, mealy bug, thrip, etc.

1 lb. can \$2.50; 4 lb. can \$7.50; 8 lb. can \$14.00 f. o. b. Portland; not mailable.

**GOLD LEAF TOBACCO POWDER.**

2 lb. pkg., each 35c; 10 lb. pkg., each \$1.00; 100 lbs. \$7.50 f. o. b. Portland.

**BLUE STONE (Blue Vitriol).**

1 lb. 10c; 100 lbs. market price, f. o. b. Portland; not mailable.

**HAMMOND'S SLUG SHOT.** For destroying slugs, cabbage and turnip flea, currant worms, etc.

5 lb. pkg. \$1.25 f. o. b. Portland.

**HAMMOND'S GRAPE DUST.** To prevent mildew on roses, grapes and gooseberries.

5 lb. pkg. \$1.25 f. o. b. Portland.

**DIAMOND L FLU-SI DUST.** Used effectively for controlling earwigs, tree crickets, sow bugs, roaches, ants, cutworms, snails, cabbage worms and corn-eat worms.

2 lb. tin \$1.50 f. o. b. Portland.

**DIAMOND L EARWIG POWDER.** An effective insecticide to be dusted on runways. Insects are killed by contact.

2 lb. tin \$1.00 f. o. b. Portland; cannot be mailed.

**DIAMOND L LECANIUM SPRAY.** An effective dormant spray. Especially good for destroying Lecanium scale, as well as the eggs of a host of insects that perpetuate themselves by depositing their eggs in the early fall.

1 gal. \$1.50 f. o. b. Portland.

**TREE TANGLEFOOT.** For caterpillars, moths and worms. Protects against all climbing insects. 1 lb. makes a band 9 feet long.

1 lb. 60c; 5 lbs. \$2.50; 10 lbs. \$4.75; 25 lbs. \$10.50 f. o. b. Portland.

**CORONA COPPERCARB.** For dusting the grain with copper carbonate. It will supplant the commonly known and very distasteful formaldehyde method, because the copper dust gives successful results in the control of diseases, but does not in the slightest degree hurt germination. Use 2 to 4 ounces per bushel of seed.

5 lbs. \$1.25.

**FORMALDEHYDE.** In glass.

Pt. 50c; qt. 80c f. o. b. Portland.

In tins. (It costs less in tins).

No. 2½ cans (28 f. ozs. or 7/8 qt. U. S. Std.), 60c; No. 10 can (112 fl. ozs. or 7/8 gal. U. S. Std.), \$1.75; case of 6 No. 10 cans \$10.00 f. o. b. Portland.

**NAPHTHALENE.** For treating soil for insect pests. Used by truck gardeners, bulb growers and for field crops to drive away grubs, wire worms, slugs, centipedes, aphids, etc.

1 lb. can 25c; 5 lbs. 75c; 10 lbs. \$1.25; 25 lbs. \$2.25; 50 lbs. \$4.00; 100 lbs. \$7.50 f. o. b. Portland.

**WHALE OIL SOAP.** For aphids, plant lice, etc.

Per bar 20c f. o. b. Portland.

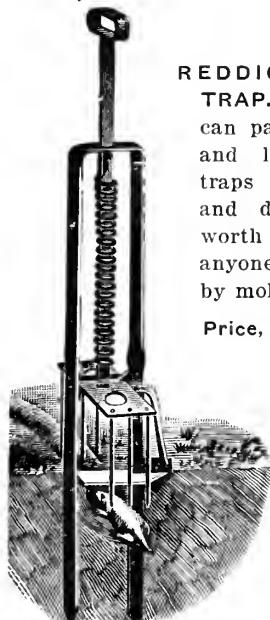
**10% DISCOUNT ON POSTPAID DIAMOND QUALITY SEEDS TO THE VALUE OF \$2.00 OR MORE**



## K-R-O Kills Rats Without Danger

A New Exterminator that is Wonderfully Effective yet Safe to Use!

K-R-O is relatively harmless to human beings, livestock, pets, poultry, yet is guaranteed to kill rats and mice every time. Many letters testify to the great merit of K-R-O. Get a can now. It's easy to use, works quickly, safely and surely. Satisfaction guaranteed. 75c; large size (4 times as much) \$2.00.



**REDDICK MOLE TRAP.** No mole can pass under it and live. These traps are strong and durable and worth the price to anyone troubled by moles.

Price, each \$1.25.

**POISON CARTRIDGES.** For gophers, squirrels, moles, etc. For the extermination of moles, ground squirrels, gophers and prairie dogs. Safe, sure, economical.

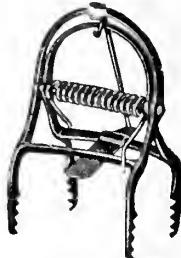
Price, doz. 60c f. o. b. Portland.



**OFFICIAL RAT TRAP.** The government selected this trap from among thousands of models submitted. Spring releases with either upward or downward pressure.

Official Rat Trap, weight 1 lb., each 20c.

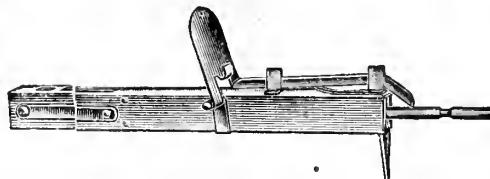
**"WOOD-LARK" SQUIRREL AND GOPHER POISON.** Quick, certain, deadly. Exterminates squirrels, sage rats, field mice, pocket gophers, prairie dogs, crows. Use early when green food is scarce. Price, 1 lb. pkg. 50c. Unavailable.



### OUT O'SIGHT MOLE TRAP.

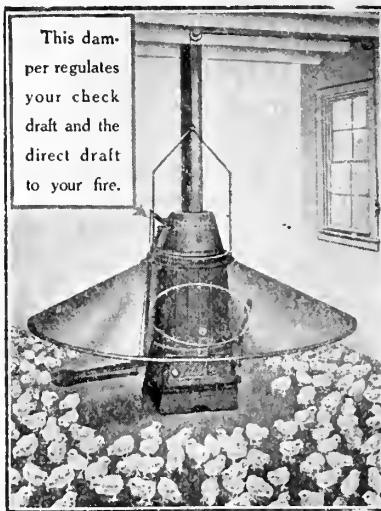
One of the best. Sure to "get them". Weight 2 lbs.

Price \$1.25;  
postpaid \$1.40.



**THE NEVER-FAIL GOPHER GUN AND BURGLAR ALARM.** For the positive destruction of gophers, moles, squirrels, rats and other burrowing pests. Use .38 blank cartridge.

Each \$1.85 postpaid.



## QUEEN COLONY BROODER STOVES

A new and improved design, best quality heavy iron castings. For hard or soft coal, briquets, coke or charcoal. Automatic control of both damper and draft by use of water thermostat, the same as used on incubators. Draft and damper are in combination —when one opens the other closes. Down draft hot blast pipe draws air from above hover, heating it all the way down. Adjustable heat regulation. Feed door is above hover for easy feeding of fuel; no fire openings below insures safety to chicks. No openings in ash door, no danger to chicks from backfire or gas. Free circulation of air under stove. Asbestos lined bottom. Heat is kept perfectly uniform, night and day, cold weather and warm. Rocker grate. Hover is heavy galvanized iron with bail to attach lifting rope.

No. ....	11	22	33	44
Chick size..	500	1000	1200	1600
Height, in..	18	23	26	37
Diam. of grates, in.	9	9	10 1/4	13 1/2
Diam. of pipe collar, in. ....	4	4	4	5
Diam. of hover, in..	42	48	56	60
Ship. wt. with hover, lbs.	76	81	108	165
Price f. o. b. Portland..	\$17.50	\$22.00	\$27.00	\$34.00

### THERMOMETERS.

For Incubator, \$1.00.

For Brooder, 75c.

For Household, 50c. Add 10c for postage when mailing.



**CHINA NEST EGGS.** Best grade opal eggs. Weight doz. 3/4 lb. 3 for 15c; 12 for 50c postpaid.

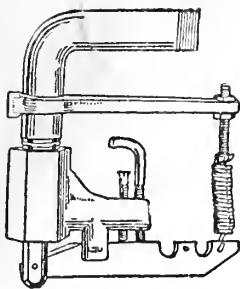
**LIME NEST EGGS.** Superior to china; not so cold and are indestructible. Weight, dozen 2 lbs.

Three for 20c; doz. 60c postpaid.



### SPIRAL COLORED LEG BANDS

**SPIRAL COLORED LEG BANDS.** Made like a key ring; easy to put on; nothing to catch or tear off. All sizes. Ten colors—red, white, yellow, black, pink, green, brown, purple, light blue, dark blue. Leghorn size, 100 for 55c; Barred Rock and Red, 100, 60c postpaid.



**"GUARANTEED" AUTOMATIC WATER FOUNTAIN.** Especially designed for poultry; can be attached to any water line, tank or barrel. Operates by gravity pressure of drinking pan; supplies fresh water to fowls automatically.  
Each \$1.50; postpaid \$1.60.



HAWES AUTOMATIC WATER VALVE. For watering poultry and small stock. The float rests on the water and as it rises and falls the valve closes or opens. Float turns up to clean bowl. Easy to install on water line or tank.  
Each \$1.00 f. o. b. Portland; postpaid \$1.10.

## POULTRY BOOKS

**THE WYANDOTTE.** 160 pages, many illustrations, some in color. Regular \$1.00; special 60c postpaid.

**THE PLYMOUTH ROCKS.** 144 pages, three color plates. Regular \$1.10; special 70c postpaid.

**SUCCESSFUL BACK YARD POULTRY RAISING.** 104 pages, many illustrations. Regular \$1.00; special 60c postpaid.

**INDIAN RUNNER DUCKS.** 92 pages, well illustrated. Regular 75c; special 40c postpaid.

**HIGH EGG PRODUCTION.** 144 pages. Special \$1.00 postpaid.

**USE OF ARTIFICIAL LIGHT.** To increase winter egg production. Regular \$1.60; special 75c postpaid.

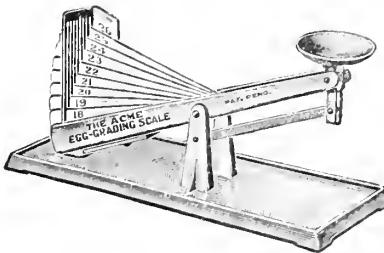
**THE LEGHORNS.** Valuable information for breeders, with colored plates; 144 pages 9x12 in. Paper covered. Regular \$1.10; special 60c postpaid.

**PROFITABLE CULLING AND SELECTIVE STOCK BREEDING.** By Homer Jackson and Grant Curtis. Complete details regarding the latest methods, with many illustrations and practical instructions; 320 pages.

Price \$2.00 postpaid.

**10% DISCOUNT ON POSTPAID DIAMOND QUALITY SEEDS TO THE VALUE OF \$2.00 OR MORE**

## EGG SCALES

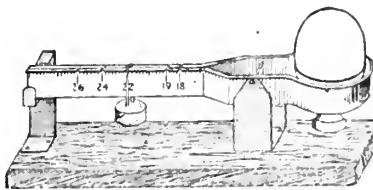


**THE ACME EGG GRADING SCALE.** Is made entirely of aluminum, which makes it rust-proof and practically indestructible. Every part is accurately made and carefully tested and will meet the requirements of any state bureau of weights and measures.

**No. 2—Adapted to the Pacific Coast.** Grades: 18-19-20-21-22-23-24-25-26 oz..

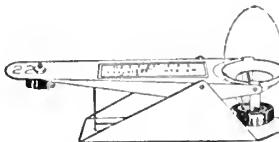
Price \$2.85 postpaid, when the remittance accompanies the order.

**GILT EDGE EGG SCALE.** Simple in construction, easy to operate, graduating by the ounce per dozen. Price \$1.25; postpaid \$1.35.



**CHAMPION EGG GRADING SCALE.** Improved type; grades with eggs in any position. Meets all requirements, grading pewee, pullet and standard eggs. Solid brass; will not get out of order; no loose parts to get lost.

Each \$1.75; postpaid \$1.85.



**THE E-Z EGG SCALE.** For quick and accurate grade. Made of brass and enameled steel. Simple and durable. No springs, no loose weights, no adjustments. Sizes 19, 21, 22, 23 and 24 oz. One scale used for each grade desired.

Price, each 60c; postage 10c. Sold with money-back guarantee.

**E-Z TURKEY EGG SCALE.** Sizes 2½, 3, 3½ oz.

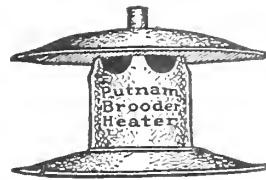
Price, each \$1.00; postage 10c.

### WIRE HENS' NESTS

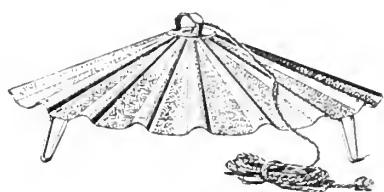


Strongly made; very durable; fasten to the wall; no harbor for vermin. Wt. 10 oz. each.

Each 20c; doz. \$1.50 f. o. b. Portland.



**PUTNAM BROODER HEATER.** You can make your own brooder out of a box, for accommodating 25 to 60 chicks, by using this heater. Heater requires filling but once a week. Uses less than a gallon of oil a month. Perfect ventilation automatically. Heat radiates from above onto backs of chicks. Can be operated anywhere, in the house or out of doors. Directions for making brooder enclosed. Price \$4.75 not postpaid.



**ROYAL ELECTRIC BROODERS—No. H-51.** 50 to 75 chick capacity. Trouble-proof, practical and inexpensive electric brooder, which uses a 50-watt heating unit and attaches to any socket. Canopy 24 in. in diameter; made from heavy galvanized steel and supported by strong steel legs. Complete with 10 feet of cord and screw plug. Weight 12 lbs.

Each \$3.00.



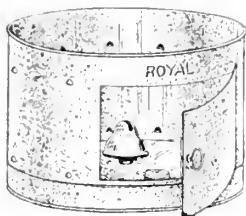
**KWIK-ON LEG BAND.** Easiest and quickest to put on your flocks. Once tried, always used. Safe. Color fast. Durable. Best by users' test.

No. 9, for Leghorn, 100 50c; No. 16, for Rocks and Reds, 100 60c; No. 11, for large Rocks and Reds, 100 60c; No. 14, for turkeys, 100 85c postpaid.

## LEG BANDS



**FOR POULTRY AND PIGEONS.** Neat, compact and smooth fastener, with no catching points; easily attached and absolutely secure. 100 for 35c postpaid.



**ROYAL FOUNTAIN HEATER.** Burns for a number of days with one filling of oil. Can be used with all Royal Fountains up to 8-gallon size.

No. 211—11 in. diam., weight 8 lbs.; each \$1.75.

No. 214—14 in. diam., weight 11 lbs.; each \$2.00.

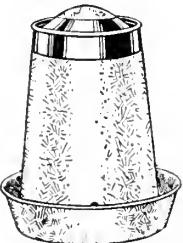


**ROYAL 6-QUART GALVANIZED FOUNTAIN.** Extra heavy 20-gauge, one-piece pan. Turns upside down to fill. Pan is held in place by spring tension furnished by bail and forced in place.

No. 32—Weight 4 lbs. Each \$1.00.

**ROYAL ALL-GALVANIZED FOUNTAIN.** Made from heavy galvanized iron in two pieces. Base pulls off to fill.

No. 30—1 gal. Weight 3 lbs. Ea. 50c.



**ROYAL BOTTOM FILLED FOUNTAIN.** Easily filled and cleaned. No. 50—2 qt. capacity, weight 1 lb. Each 30c.



**ROYAL JAR FOUNTAINS.** Made from three materials, extra heavy galvanized iron, blue enamel or charcoal tin. Charcoal tin fountain is designed for dispensing buttermilk and sour milk especially. We do not furnish the glass jars.

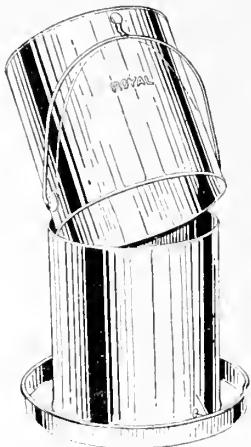
No. 0—Galvanized. Each 10c.

No. 1—Enamelled. Each 10c.

No. 00—Charcoal tin. Each 10c.

**STAR FOUNT AND FEEDER.** One piece of metal. Holds a Mason quart jar.

Without jar, each 10c; doz. \$1.25.



#### ROYAL CHARCOAL TIN LARGE BUTTERMILK FOUNTAINS.

These fountains are made from 135-lb. charcoal tin and have two large openings, one on each side, with a piece of spring steel attached to two pieces of metal in the inside, in order to keep the milk from running out when the fountain is being filled; when the outer can is slipped down over the inner one, the pressure on these springs opens both holes and permits the feeding of all kinds of buttermilk. No reversing. Easily cleaned and filled. Two sizes.

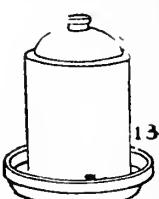
No. 301—1 gal., weight 3 lbs. Each \$1.35.

No. 303—3 gal., weight 6 lbs. Each \$2.25.

**ROYAL FOUNTAINS.** Made from heavy galvanized iron. Permits the fowls to drink all around fountains. Appearance similar to No. 301.

No. 203—3 gal., weight 6 lbs. Each \$1.75.

No. 205—5 gal., weight 12 lbs. Each \$2.25.



**ROYAL ADJUSTABLE FEED TROUGH.** For baby chicks or growing chicks. This new feed trough, made from 26 gauge iron and having 24 gauge ends, with two adjustable wire frames that slide, providing a minimum opening of 1 inch and a maximum opening of 2 inches, so that the trough can be used for feeding either baby chicks or growing stock.

No. 44. 44 inch. Price each \$1.60.

#### ROYAL BUTTERMILK FEEDERS.

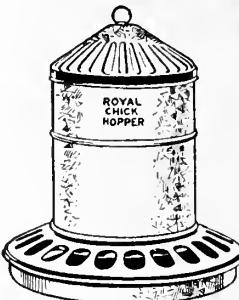
No. 318—18 in. long, 26 holes, weight 1 lb. Each 30c.

No. 324—24 in. long, 34 holes, weight 2 lbs. Each 40c.

**ROYAL GRIT AND SHELL BOXES.** Are made of heavy galvanized iron in three sizes. The No. 45 for baby chicks has a square bottom; the other sizes have round bottoms.

No. 45—Two compartments; weight 1 lb. Each 50c.

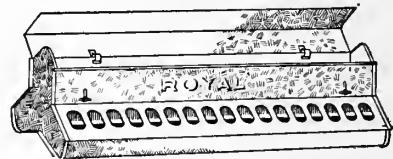
No. 9—Three compartments; weight 2½ lbs. Each \$1.00.



#### ROYAL CHICK HOPPER.

Made from heavy galvanized iron. Holds a peck of feed. Height 12 in.; diameter 8 in.; diameter of pan 12½ in.

No. 56—Wgt. 4 lbs. Each \$1.00.



**ROYAL CAPACITY CHICK HOPPERS.** Hinge top, adjustable sizes, all turned edges on feeding holes. Two sizes.

No. 42—24 in. long, 34 holes, 12 qt. capacity, weight 7 lbs. Each \$1.00.

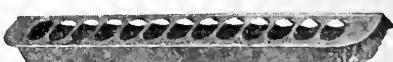
No. 63—36 in. long, 54 holes, 18 qt. capacity, weight 9 lbs. Each \$1.50.

**ROYAL LARGE CAPACITY CHICK HOPPER.** Made from 26 gauge galvanized iron with hinge top. Can be used for chicks and grown birds as feed grates are hinged and can be raised.

No. 624—24 in. long, 34 holes, 17 qt. capacity, weight 12 lbs. Each \$1.50.

No. 636—36 in. long, 54 holes, 26 qt. capacity, weight 17 lbs. Each \$1.80.

No. 648—48 in. long, 72 holes, 35 qt. capacity, weight 22 lbs. Each \$2.40.



**ROYAL FEED TROUGHS.** Extra heavy slide top made from best quality prime galvanized sheets accurately formed with dies; smooth turned edges on all holes. Deep enough to hold sufficient feed for growing chicks under brooders. Strictly a quality trough. Made in three sizes.

No. 212—12 in. long, 16 holes, weight ½ lb. Each 20c.

No. 218—18 in. long, 26 holes, weight 1 lb. Each 25c.

No. 224—24 in. long, 34 holes, weight 1½ lbs. Each 30c.

## REMEDIES For Poultry, Stock & Pets

### POULTRY PRESCRIPTION 999.

Poultry Tonic and Worm Powder. A scientific compound which runs high in vitamins; also certain necessary minerals and several very expensive and well-known worm expellants, which are non-poisonous and harmless to fowls, but sure death to all forms of worms such as tapeworm, round worms and other forms of intestinal parasites.

4 oz. pkg. 75c; 12 oz. \$1.75; 1½ lb. \$3.00; 3 lb. \$5.50; 5 lb. \$7.50 f. o. b. Portland.

**BRONKI-OI INHALANT.** Pou'trymen will find Bronki-ol Inhalant a splendid preparation as an aid to assist nature in treating chickens, turkeys, geese and pigeons affected with colds and many other forms of bronchial troubles. Rabbit breeders will find Bronki-ol Inhalant an aid in assisting nature to combat cold and snuffles in rabbits.

8 oz. bottle 50c; pint can 85c; quart \$1.45; ½ gallon \$2.25; gallon \$3.75; 5 gallons \$15.00 f. o. b. Portland.

**CREXAFOWL POULTRY POWDER.** A splendid stimulating conditioner for moulting hens. Makes hens lay and pay.

1½ lb. 30c; 5 lb. 85c; 12 lb. \$1.80; 30 lb. galv. pail \$4.25; 100 lb. barrel \$12.00 f. o. b. Portland.

**DISINFECTANT DIP (2 to 3 Co-efficient).** An efficient disinfectant, germicide, insecticide and antiseptic, recommended as a disinfectant for poultry houses, kennels, barns, pet stock quarters and for household uses. Can be diluted with water or oil.

8 oz. bottle 35c; pint bottle 45c; cans, quart 65c, half gallon \$1.00, gallon \$1.75 f. o. b. Portland.

**STOCK TONIC.** A general conditioner for livestock. An aid to digestion, invigorating, helping to secure more value from the food rations.

3½ lb. pkg. 65c; 10 lb. \$1.50; 30 lb. \$4.25 f. o. b. Portland.

**PULVULES (Filled Capsules).** Nicotine and Lloyd's reagent. For the eradication of round worms in poultry. Also for eradication of worms in dogs, sheep and hogs. As suggested by the College of Agriculture of California. Dose: For chickens, one capsule to the bird; place well down its throat, moisten with water.

Per 100 60c; per 1000 \$5.00 f. o. b. Portland.

**CREXAFOWL POULTRY TONIC.** Is a scientific mineral conditioner for both young and mature poultry. Makes hens lay and pay.

In bottles, 8 oz. 50c; 16 oz. 75c; quart \$1.00; half gal. \$1.75; gallon \$3.00; 5 gal. \$12.50; 10 gal. keg \$22.50 f. o. b. Portland.

**SODIUM FLUORIDE, PLAIN.** Recommended to be used as a lice powder or for dipping.

1 lb. can 45c; 5 lb. can \$1.75 f. o. b. Portland.

**COMPOUND SODIUM FLUORIDE LICE POWDER.** Compound Sodium Fluoride Lice Powder is a very high-grade preparation made for dusting fowls.

15 oz. pkg. 30c; 2½ lb. 70c; 15 lb. pail \$3.70 f. o. b. Portland.

**RED MITE AND LICE KILLER.** To be used on the fowls or in the poultry houses to aid in killing lice and mites. Kills by contact.

Quart can 60c; half gal. 90c; gal. \$1.75 f. o. b. Portland.

**TOE PICK.** For controlling and overcoming the vicious habit of toe, wing and vent picking of chicks. It is also soothing and healing.

7 oz. can 45c; 15 oz. can 80c f. o. b. Portland.

**SHEEP DIP (2 to 3 Co-efficient).** An efficient disinfectant, germicide, insecticide and antiseptic recommended for poultry houses, kennels, barns, pet stock quarters and for household uses. Can be diluted with water or oil.

Bottles, 8 oz. 35c; pint 45c; cans, quart 65c, half gal. \$1.00, gal. \$1.75, 5 gal. \$7.50; drums, 15 gal. \$18.75, 30 gal. \$34.50, 55 gal. \$57.75 f. o. b. Portland.

**PINEOCOL.** To meet the demand for a medium-priced, soluble pine oil deodorant.

1 gal. can \$2.75 f. o. b. Portland.

**CANKER-RAB REMEDY.** 2 oz. bottle 50c; 4 oz. 75c; postage extra.

**RABBIT BOWEL CONDITIONER.** 2 oz. bottle 50c; 4 oz. 75c; postage extra.

**FLUKINE.** 2 oz. bottle 50c; 4 oz. 75c; postage extra.

**BARNES WORM EMULSION.** Many so-called remedies are offered and some will cause live worms to be expelled, but the expelled worms are frequently eaten by poultry and greater infection results than before because the worms themselves are a mass of eggs. Send for booklet giving full details.

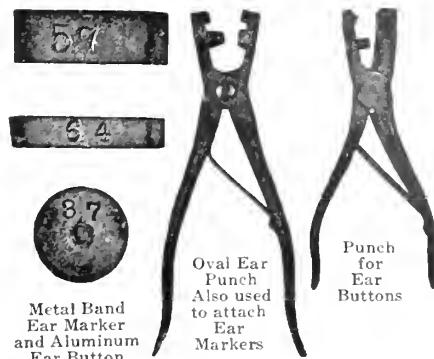
16 oz. 60c; qt. \$1.00; gal. \$3.00; 5 gal. \$12.50; 30 gal. \$60.00 f. o. b. Portland.

### Wyandotte Sanitary Cleaner and Cleanser

A cleaner especially prepared for creamery, cheese factory and dairy purposes. It contains no grease. It makes no suds. It has no soapy smell. It is pure and purifying. It cuts the butterfats and milk solids quickly and thoroughly, making everything sweet, clean and sanitary.

3 lb. pkg. 35c; 5 lbs. 50c; 80 lb. keg \$6.00 f. o. b. Portland.

WE GIVE 10% DISCOUNT ON ORDERS FOR POSTPAID DIAMOND QUALITY SEEDS AMOUNTING TO \$2.00 OR MORE



### MARKERS For Cattle, Sheep & Hogs

Metal Ear Labels and Ideal Ear Buttons are satisfactory and easily applied marks of identification that are indispensable to breeders and stockmen. Your name and address on one side, number on other.

**METAL EAR LABELS.** Not more than ten large letters can be used on the hog and sheep size; 15 large or 22 small letters on cattle size.

Sheep  
and  
Hog Cattle

Prices—two sizes.	
100 with name and number.	\$1.85 \$2.65
50 with name and number.	1.35 1.60
25 with name and number.	.90 .95
100 with name only or number only .....	1.40 2.10
50 with name only or number only .....	1.00 1.35
25 with name only or number only .....	.75 .90
Weight for mailing: Cattle size, 2½ lbs. per 100; sheep size, 1 lb. per 100. If mailed, postage extra.	
Oval Ear Punches—Cattle size, \$1.65; sheep and hog size, \$1.65; postage 10c each.	

**IDEAL EAR BUTTONS.** Pure aluminum hardened, medium size, suits all animals, clinches tight, cannot come out. Name and address on top side; number on bottom, or number and name can both appear on one side if not more than 18 letters and figures; if more than 18, both sides can be used to the limit of 30 letters and figures. Easily attached with special punch and pliers. If mailed, postage extra.

25—Mailing weight 3 ozs....	\$ 1.50
50—Mailing weight 4 ozs....	2.25
100—Mailing weight 12 ozs...	3.75
500—Mailing weight 4 lbs....	17.00
1000—Mailing weight 6 lbs....	30.00

Punch and Pliers, each \$1.50; postage 10c.

**BLACK LEAF "40"** for controlling poultry lice.

1 oz. bottle 35c; 5 oz. bottle \$1.00; 2 lbs. \$3.25 f. o. b. Portland; not available.



## KOW KARE

Write for the new book,  
"The Full Milk Pail"

Kow Kare is highly concentrated and, because of the small dosage required for average needs, is very inexpensive to use. A specific remedy for cow diseases, such as barrenness, scours, milk fever, cakedudder, bloating, red water, swelling of bag, etc. It prevents abortion and removes retained afterbirth. It tones up the system, renews vitality, restores appetite to cows that are "off feed", and keeps them healthy. It increases the milk flow and enables the cows to produce strong, vigorous calves. It is the dairyman's gold mine and a sure profit-payer.

Price 65c; large cans, mailing weight 4 lbs., each \$1.25; six for \$6.25; 12 for \$12.50 f. o. b. Portland.



**AN-FO CALF MEAL** is a cooked food that completely replaces milk in calf feeding. The cost is only about one-fourth that of milk. High in digestible fat, the addition of AN-FO to skim milk makes a food very similar to whole milk. Either of the following makes a good ration for a calf: Water 1 gallon and AN-FO CALF MEAL 1 lb., or if available, skim milk 1 gallon and AN-FO CALF MEAL  $\frac{1}{2}$  lb. 25 lbs. \$1.35 f. o. b. Portland.

## Bag Balm

Made by the Kow Kare people. For caked bag, sore teats, bunches, chapping cuts or inflamed parts. Use this soothing ointment with perfect safety. Penetrating, quick healing. Clean, pleasant to use; cannot taint the milk. Will make decidedly easier milkers of your herd.

10 oz. pkg. 60c; postage extra.

## SPRATT'S DOG FOODS and REMEDIES

### FOODS.

Spratt's Dog Cakes—1 lb. 15c; 25 lb. ctns. \$3.25; 50 ctns. \$6.25 f. o. b. Portland.

Spratt's Fibo—1 lb. 15c; 25 lb. bags \$3.75; 50 bags \$7.00 f. o. b. Portland.

Spratt's Charcoal Ovals—1 lb. 15c; 25 lb. ctn. \$3.50; 50 lb. bag \$6.50 f. o. b. Portland.

Spratt's Ovals—1 lb. 15c; 25 lb. ctn. \$3.50; 50 lb. bag \$6.50 f. o. b. Portland.

### REMEDIES.

Flea Dog Soap—25c.

Flea Dog Powder—10c and 25c.

Ascarids and Worm Caps. for Dogs —50c.

Ascarids and Worm Caps. for Puppies—50c.

Tapeworm Tablets—50c.

Distemper Tablets—75c.

Distemper Tablets for Toy Dogs and Puppies—75c.

Dog Condition Tablets—50c.

Toy Dog and Puppy Condition Tablets—50c.

Nerve Sedative Condition Tablets—50c.

Sulphur Tablets—50c.

Mange Medicine—75c.

Ear Canker Ointment—75c.

Postage extra.

### SPRATT'S BIRD FOODS AND REMEDIES.

Song Restorer—30c postpaid.

Nestling Food—Large 30c; small 20c postpaid.

Bird Tonic—Small 20c; large 35c postpaid.

Bird Lice Powder (gums)—30c postpaid.

Sing Song—15c postpaid.

### PARROT FOODS.

Diamond Parrot Mixture—1 lb. 25c; 2 lbs. 45c; 3 lbs. \$1.00; postage extra.

Parrott Sunflower Seed—1 lb. 20c; 5 lbs. 75c; postage extra.

Spratt's Parakeet and Lovebird Mixture—1 lb. 25c; postage extra.

### CAT REMEDIES.

Spratt's Cat Worm Capsules—60c postpaid.

Cat Diarrhoea Remedy—60c postpaid.

Catnip Mice—Each 10c; postpaid 15c.

## Household Fly Foil

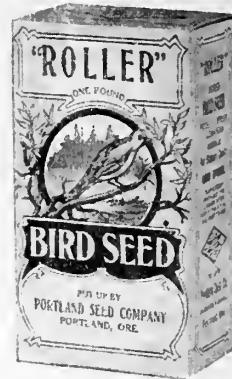
An effective fly spray recommended for household use. Pleasant to use, is not poison and will not stain walls if properly used.

8 oz. 30c; pint 50c; quart 90c; gallon \$2.75 f. o. b. Portland.

## Dairy Fly Foil

A double-acting fly spray that kills the flies on the cow in the barn and keeps flies off cows all day. Dairy Fly Foil is a thin liquid, and hardly a tablespoonful need be used for each cow. It is necessary to have a good spray pump to make a fine mist.

1 qt. 60c;  $\frac{1}{2}$  gal. \$1.00; 1 gal. \$1.50; 5 gals. \$6.75 f. o. b. Portland.



## BIRD FOODS and REMEDIES

In this list you will find our own special bird foods, as well as foods and remedies of several widely advertised lines. Descriptions are limited in this space, but booklets with complete descriptions will be sent upon request.

**P. S. CO. ROLLER SPECIAL BIRD SEED MIXTURE.** The very finest. Put up especially for singers. 1 lb. sealed pkg. 35c; 5 pkgs. \$1.25 postpaid.

**DIAMOND QUALITY BIRD SEED.** With cuttlebone. Next to our Roller Special, the best to be secured. 1 lb. pkg. 25c; 10 lbs. \$1.35 postpaid.

**CANARY SEED.** Recleaned. Lb. 15c; 10 lbs. \$1.25 postpaid.

**HEMP SEED.** Recleaned.

Lb. 15c; 10 lbs. \$1.10 postpaid.

**RAPE.** Sweet summer.

Lb. 15c; 10 lbs. \$1.10 postpaid.

**MILLET.** Recleaned.

Lb. 15c; 10 lbs. \$1.45 postpaid.

**CUTTLEBONE.**  
Each 5c; doz. 50c postpaid.

**BIRD GRAVEL.**  
Pkg. 20c postpaid.

**BIRD MANNA.**  
Pkg. 20c postpaid.

**NESTING HAIR.**  
Pkg. 25c postpaid.

**BIRDOLENE.** Kaempfer's.  
Pkg. 20c postpaid.

**CANARY HIGHBALL.**  
Two for 30c postpaid.

## Use "Old Hickory" Smoked Salt

For Better Home Curing. Salts and Smokes at the Same Time

It saves you work; no smokehouse needed. It saves shrinkage due to smokehouse heat. It minimizes loss from spoilage. It flavors clear to the bone.

10 lb. can \$1.25 f. o. b. Portland.

**LESLIE SALT.** In prepared bricks or half ground. Prices f. o. b. Portland.

Bricks, 5 lb. bricks, each 15c; 10 lb. bricks, each 20c.

**Pet Licks for Rabbits.**  
Each 10c; 10 lbs. 90c.

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## Planting Tables

## Quantity per acre

Artichoke, 1 oz. to 500 plants.....	.6 oz.
Artichokes—White French .....	8 bu.
Asparagus, 1 oz. to 800 plants.....	1 lb.
Asparagus Roots .....	7500

Barley .....	2 to 2½ bu.
Beans, dwarf, 1 lb. to 100 ft. of drill.....	1 bu.
Pole, 1 lb. to 100 hills.....	½ bu.
Beet, Garden, 1 oz. to 100 ft. drill.....	6 to 7 lbs.
Mangel, 1 oz. to 100 ft. of drill.....	5 lbs.
Broccoli, 1 oz. to 2000 plants.....	4 oz.
Brussels Sprouts, 1 oz. to 2000 plants.....	4 oz.
Buckwheat .....	½ to 1 bu.

Cabbage, 1 oz. to 2000 plants.....	.4 oz.
Carrot, ½ oz. to 100 ft. of drill.....	3 lbs.
Cauliflower, 1 oz. to 3000 plants.....	3 to 4 oz.
Celery, 1 oz. to 5000 plants.....	.4 oz.
Cheat .....	2 bu.

Clover, Alsike and White .....	8 to 10 lbs.
Alfalfa .....	15 to 20 lbs.
Crimson Trefoil or Red .....	10 to 15 lbs.
Collards, 1 oz. to 2000 plants.....	.4 oz.
Corn, Pop (shelled) .....	8 to 10 lbs.
Sweet or Field, hills.....	12 to 15 lbs.
For soiling drills, hills.....	3 bu.
Cress, ¾ oz. to 100 ft. drill.....	1 lb.
Cucumber, 1 oz. to 100 hills.....	2 to 3 lbs.

Egg Plant, 1 oz. to 2000 plants.....	.4 oz.
Emmer .....	100 lbs.
Endive, ¼ oz. to 100 ft. drill.....	4 lbs.
Flax broadcast .....	¾ bu.
Grass—Kentucky Blue, pasture .....	1 to 2 bu.

Kentucky Blue, lawns .....	100 lbs.
Meadow Fescue .....	1 bu.
Mixed Lawn .....	5 to 6 lbs.
Red Top, Chaff .....	1 to 2 bu.
Red Top, solid seed .....	10 to 15 lbs.

Timothy .....	10 to 15 lbs.
Orchard, Perennial Rye .....	1 to 2 bu.
Wood Meadow .....	1 bu.

## NUMBER OF PLANTS PER ACRE AT VARIOUS DISTANCES

Distance Apart—	Square Method	Triangular
1 foot apart each way.....	43,560	50,300
2 feet apart each way.....	10,890	12,575
4 feet apart each way.....	2,722	3,143
6 feet apart each way.....	1,210	1,397

## Instructions for Ordering, Etc.

## PARCEL POST SHIPMENTS

For points beyond the 4th zone include additional postage. An additional remittance of 5c will insure any mailed package. We do not guarantee replacement of the goods sent by mail unless insured.

## EXPRESS OR FREIGHT

Purchaser pays transportation charges, unless prices quoted are prepaid. Every purchase should be carefully examined for loss or damage before accepting it. In case of loss or damage, purchaser must have notation of such loss placed on his freight or express receipt, and may then file claim with his station agent or send the necessary papers to us and we will gladly enter claim.

## COMPLAINTS

Should there be any error in your order or if you are not pleased with some article, advise us promptly, and we will make every effort to please you. Do not return any goods until you hear from us.

## WHEN TO ORDER

Send in your combined order for seeds, plants and supplies, etc. If you want part or all of your order held, state distinctly when shipment is to be made. All orders for potatoes, plants and other perishable goods are carefully booked on receipt and filled in rotation as soon as the weather permits. If shipped early they are at purchaser's risk.

## WHEN ORDERING

Use our order blank if you have one. Be sure that your name, complete address and shipping instructions are filled in.

## TERMS

Terms are cash with order where arrangements for credit have not previously been made.

## HOW TO REMIT

Send money by Postoffice or Express Money Order, Bank Draft or Registered Letter.

## WEIGHTS OF VARIOUS ARTICLES

Per bushel

Artichokes .....	60 lbs.
Barley .....	48 lbs.
Beans .....	60 lbs.
Buckwheat .....	48 lbs.
Blue Grass, Kentucky .....	14 lbs.
English .....	24 lbs.
Cheat .....	34 lbs.
Clover Seed .....	60 lbs.
Grass Seeds (unless otherwise stated) .....	14 lbs.
Hemp Seed .....	44 lbs.
Hungarian Millet .....	48 lbs.
Lawn Grass .....	20 lbs.
Meadow Fescue .....	24 lbs.
Millet .....	50 lbs.
Oats .....	32 lbs.
Onion Sets .....	32 lbs.
Orchard Grass .....	14 lbs.
Peas, smooth .....	60 lbs.
Peas, wrinkled .....	56 lbs.
Perennial Rye .....	20 lbs.
Potatoes .....	60 lbs.
Rape .....	60 lbs.
Rye .....	56 lbs.
Red Top .....	14 lbs.
Red Top, solid seed .....	42 lbs.
Timothy .....	45 lbs.
Vetches .....	70 lbs.
Wheat .....	60 lbs.

**SPECIAL 1932 COLLECTIONS**

These collections are made up of first grade stock and standard worth-while varieties, priced approximately 25% below the regular list prices. Truly a substantial saving considering the varieties and grade offered. Include one or more of these collections in your order.

**COLLECTION A****Family Fruit Collection**

A family fruit collection that provides a good variety of fruit, both for fresh use and for canning. It makes an ideal assortment for the average family. Plant this collection and enjoy fresh delicious fruit from your own garden.

10 Cuthbert Raspberries .....	\$ .75
3 Niagara Grapes, 2 yr.....	.60
1 Royal Anne Cherry, 2 yr....	1.25
1 Red Delicious Apple, 2 yr.	.75
1 Bartlett Pear, 2 yr. ....	1.00
4 Youngberries, 2 yr. ....	.80
100 New Oregon Strawberries.	1.00

\$6.15

*Special  
Offer  
for*

**\$4.95****COLLECTION C****House Plants**

This collection of plants provides a variety that will delight the heart of any window gardener. Each one of these has proved its worth as a house plant.

1 Asparagus Fern .....	\$ .25
1 Giant Cyclamen .....	.25
1 Geranium .....	.35
1 Fuchsia .....	.25
1 Begonia .....	.25
1 Lantana .....	.25

**\$1.60**

All 6 plants \$ **1.20**  
post paid for

**COLLECTION F****Choice Roses**

Here is an attractive well assorted collection of roses at a big saving. All are sturdy, 2-year-old field grown budded varieties. Every one of them will blossom the first year.

Miss Loleta Armour, coppery orange .....	\$ .65
Mme. Edouard Herriott, terra cotta red.....	.90
Lady Hillingdon, apricot yellow	.65
Mme. Caroline Testout, rose pink .....	.65
General McArthur, scarlet....	.65
Frau Karl Druschki, pure white	.65

Value, **\$4.15**

*All 6  
Post  
Paid  
for*

**\$3.10****COLLECTION B****Family Fruit Collection**

This family fruit collection is more suitable for the small family where fresh fruit is not so readily consumed. The varieties listed are splendid for canning purposes and supply a variety of fruit for winter jams, jellies and pies.

1 Spitzenberg Apple, 2 yr.....	\$ .75
1 Montmorency Cherry, 2 yr...	1.25
1 Italian Prune, 2 yr.....	.90
1 Pineapple Quince, 2 yr.....	1.25
2 Improved Panama Rhubarb.	.70
3 Perfection Currants, 2 yr....	.60
3 Oregon Champion Goose- berries, 2 yr.....	.60

\$8.05

*Special  
Offer  
for*

**\$4.95****COLLECTION D****Hardy Iris**

Iris are so easily grown that everyone should have some of them. Their orchid-like blossoms are unsurpassed for beauty. Try this well assorted collection.

After Glow .....	\$ .25	\$ .75
Alcazar, misty lavender .....	.25	.75
Ambassadeur, violet bronze .....	.25	.75
Her Majesty, rosy pink .....	.15	.45
Ma Mie, pure white .....	.15	.45
Juniata, deep blue .....	.15	.45

\$1.20 \$3.60

1 ea. **90c** 3 ea. p. pd. **\$2.70**

**COLLECTION E****Roots and Herbs**

Here is a collection with which to start a root and herb garden. Included in this list are the varieties that we have found to be the most in demand the past year.

100 Giant Washington Asparagus .....	\$1.50
1 Giant Sage Plant.....	.25
6 Horseradish Roots .....	.40
1 True Lavender Plant .....	.25
1 Rosemary Plant .....	.25
1 Thyme Plant .....	.30
1 Garden Mint Plant.....	.25

Value, **\$3.20**

All post paid **2.40**  
for .....

**COLLECTION F****Choice Roses**

Here is an attractive well assorted collection of roses at a big saving. All are sturdy, 2-year-old field grown budded varieties. Every one of them will blossom the first year.

Miss Loleta Armour, coppery orange .....	\$ .65
Mme. Edouard Herriott, terra cotta red.....	.90
Lady Hillingdon, apricot yellow	.65
Mme. Caroline Testout, rose pink .....	.65
General McArthur, scarlet....	.65
Frau Karl Druschki, pure white	.65

Value, **\$4.15**

*All 6  
Post  
Paid  
for*

**\$3.10****COLLECTION G****Early Peonies**

What is more delightful than a bouquet of beautiful peonies? Few flowers compare with them for producing an abundance of blossoms with such little care. Here we offer three of the old favorites that have proved their right to a favored place in the hearts of flower lovers.

Edulus Superba, white.....	\$ .75
Festiva Maxima, pink.....	.75
Rubra Superba, red.....	.75

Value, **\$2.25**

*All 3  
Post  
Paid  
for*  
**\$1.60**



SUPERB  
COLLECTION  
**SPENCER**  
**SWEET PEAS**

1. Campfire
2. Barbara
3. Mary Pickford
4. Hawlmak  
Lavender
5. Doreen
6. King White

**6 PKTS 45C**  
POSTPAID